

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082918\
 Data File : VW004997.D
 Acq On : 29 Aug 2018 12:11
 Operator : SY/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
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 8/30/2018 12:41:37 PM

Quant Time: Aug 30 01:33:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 30 01:20:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	514341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	711760	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	757860	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	426218	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	19497	5.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.08%	
35) Dibromofluoromethane	7.90	113	18515	5.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.50%	
50) Toluene-d8	10.33	98	94648	4.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.78%	
62) 4-Bromofluorobenzene	12.62	95	34731	4.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.84%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	23192	5.219	ug/l	98
3) Chloromethane	2.22	50	33620	5.328	ug/l	98
4) Vinyl Chloride	2.36	62	33290	5.285	ug/l	100
5) Bromomethane	2.78	94	25031	6.079	ug/l	93
6) Chloroethane	2.92	64	20332	5.458	ug/l	96
7) Trichlorofluoromethane	3.26	101	33960	5.214	ug/l	93
8) Diethyl Ether	3.70	74	9412	5.082	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.06	101	22501	5.597	ug/l	96
10) Methyl Iodide	4.28	142	19904	3.620	ug/l	100
11) Tert butyl alcohol	5.23	59	8049m	38.327	ug/l	
12) 1,1-Dichloroethene	4.04	96	19856	5.287	ug/l	91
13) Acrolein	3.92	56	7092	23.639	ug/l	100
14) Allyl chloride	4.68	41	28643	4.953	ug/l	97
15) Acrylonitrile	5.39	53	21779	23.061	ug/l	98
16) Acetone	4.15	43	21642	27.277	ug/l	98
17) Carbon Disulfide	4.39	76	79307	5.024	ug/l	100
18) Methyl Acetate	4.69	43	10947	5.696	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	36686	4.545	ug/l	98
20) Methylene Chloride	4.92	84	49271	7.370	ug/l	94
21) trans-1,2-Dichloroethene	5.44	96	20942	5.135	ug/l	95
22) Diisopropyl ether	6.32	45	50532	4.280	ug/l	94
23) Vinyl Acetate	6.27	43	127010	21.042	ug/l	100
24) 1,1-Dichloroethane	6.23	63	38626	5.407	ug/l	94
25) 2-Butanone	7.19	43	30378	24.552	ug/l	99
26) 2,2-Dichloropropane	7.18	77	35562	5.672	ug/l	92
27) cis-1,2-Dichloroethene	7.18	96	23376	5.269	ug/l	99
28) Bromochloromethane	7.53	49	15898	5.061	ug/l	93
29) Tetrahydrofuran	7.54	42	14230	22.767	ug/l	97
30) Chloroform	7.68	83	38068	5.418	ug/l	95
31) Cyclohexane	7.96	56	39698	5.244	ug/l #	64
32) 1,1,1-Trichloroethane	7.88	97	33183	5.133	ug/l	98
36) 1,1-Dichloropropene	8.09	75	28513	4.728	ug/l	99
37) Ethyl Acetate	7.27	43	9289	4.273	ug/l #	92
38) Carbon Tetrachloride	8.07	117	30502	5.226	ug/l	100

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	37454	4.505	ug/l	98
40) Benzene	8.33	78	93925	4.866	ug/l	99
41) Methacrylonitrile	7.50	41	5391	4.256	ug/l	93
42) 1,2-Dichloroethane	8.41	62	23175	5.395	ug/l	99
43) Isopropyl Acetate	8.43	43	20417	4.720	ug/l	95
44) Trichloroethene	9.10	130	24230	4.914	ug/l	100
45) 1,2-Dichloropropane	9.38	63	21279	4.818	ug/l	99
46) Dibromomethane	9.47	93	11079	5.300	ug/l	98
47) Bromodichloromethane	9.65	83	26354	5.102	ug/l	98
48) Methyl methacrylate	9.45	41	9303	4.051	ug/l #	84
49) 1,4-Dioxane	9.48	88	4069	93.798	ug/l #	90
51) 4-Methyl-2-Pentanone	10.22	43	71874	22.186	ug/l	98
52) Toluene	10.40	92	69510	4.853	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	25360	4.597	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	28649	4.454	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	18525	5.414	ug/l	94
56) Ethyl methacrylate	10.65	69	18370	4.093	ug/l	99
57) 1,3-Dichloropropane	10.94	76	26855	4.770	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	38281	19.798	ug/l	98
59) 2-Hexanone	10.98	43	51546	21.976	ug/l	94
60) Dibromochloromethane	11.13	129	17532	4.669	ug/l	97
61) 1,2-Dibromoethane	11.24	107	14961	4.664	ug/l	97
64) Tetrachloroethene	10.87	164	27915	5.052	ug/l	96
65) Chlorobenzene	11.66	112	83716	5.028	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	21212	4.638	ug/l	96
67) Ethyl Benzene	11.74	91	132306	4.641	ug/l	99
68) m/p-Xylenes	11.85	106	105718	9.091	ug/l	99
69) o-Xylene	12.17	106	47141	4.437	ug/l	98
70) Styrene	12.19	104	75834	4.302	ug/l	99
71) Bromoform	12.35	173	11731	4.613	ug/l #	97
73) Isopropylbenzene	12.47	105	124204	4.371	ug/l	99
74) N-amyl acetate	12.28	43	22516	4.199	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.72	83	20618	4.793	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	14278m	2.684	ug/l	
77) Bromobenzene	12.76	156	34095	4.891	ug/l	99
78) n-propylbenzene	12.81	91	157066	4.482	ug/l	100
79) 2-Chlorotoluene	12.90	91	95108	4.699	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	108668	4.329	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	5742	4.299	ug/l	92
82) 4-Chlorotoluene	12.99	91	100890	4.678	ug/l	100
83) tert-Butylbenzene	13.21	119	93108	4.416	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	110982	4.357	ug/l	98
85) sec-Butylbenzene	13.39	105	139148	4.496	ug/l	99
86) p-Isopropyltoluene	13.51	119	119565	4.312	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	74915	5.069	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	75368	5.149	ug/l	94
89) n-Butylbenzene	13.83	91	116702	4.483	ug/l	97
90) Hexachloroethane	14.10	117	20855	4.785	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	65029	4.999	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3518	4.735	ug/l	96

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ClientSampleId :
VSTDICC005

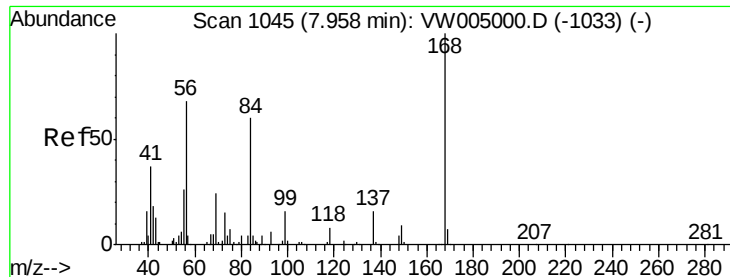
Manual Integrations
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8/30/2018 12:41:37 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082918S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	41687	4.574	ug/l	98
94) Hexachlorobutadiene	15.25	225	28860	5.059	ug/l	99
95) Naphthalene	15.38	128	59221	3.961	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	37370	4.641	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 514341

Ion Ratio Lower Upper

168 100

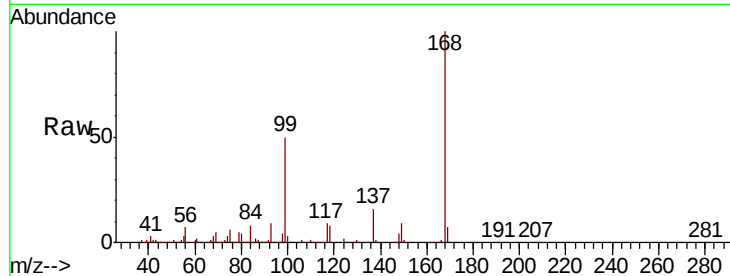
99 49.4 40.2 60.2

Manual Integrations

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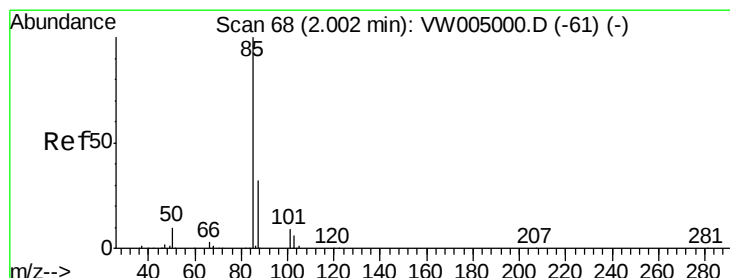
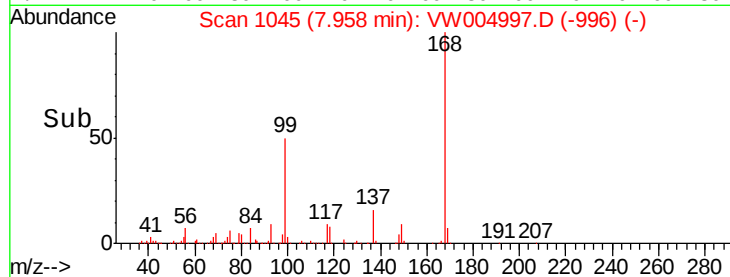
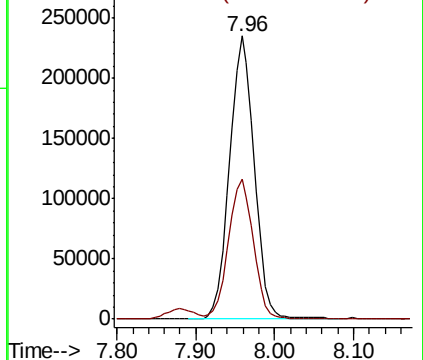
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 5.219 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW004997.D

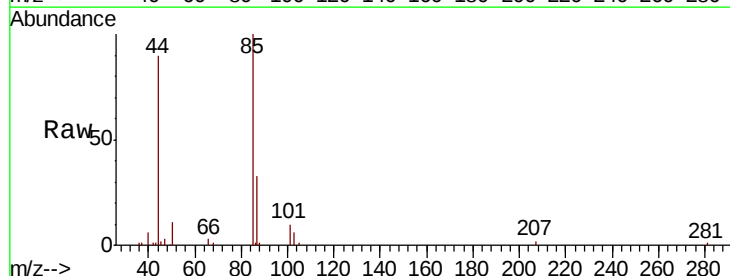
Acq: 29 Aug 2018 12:11

Tgt Ion: 85 Resp: 23192

Ion Ratio Lower Upper

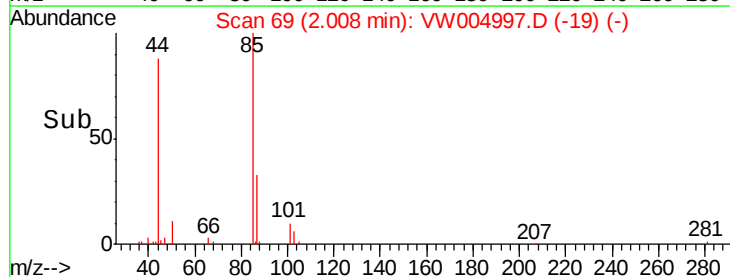
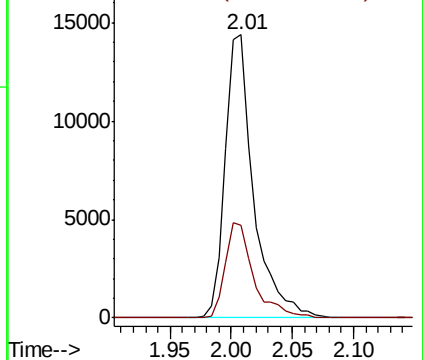
85 100

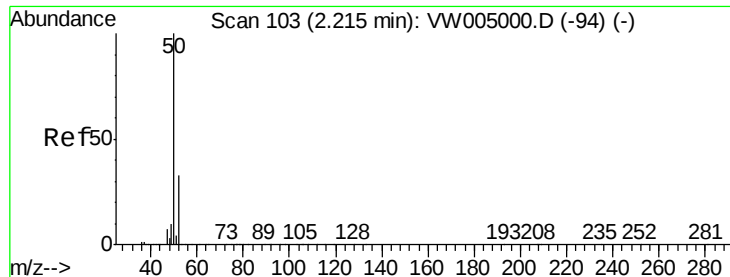
87 32.5 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 5.328 ug/l

RT: 2.22 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 33620

Ion Ratio Lower Upper

50 100

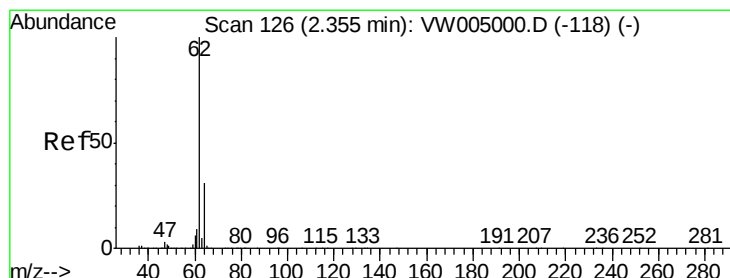
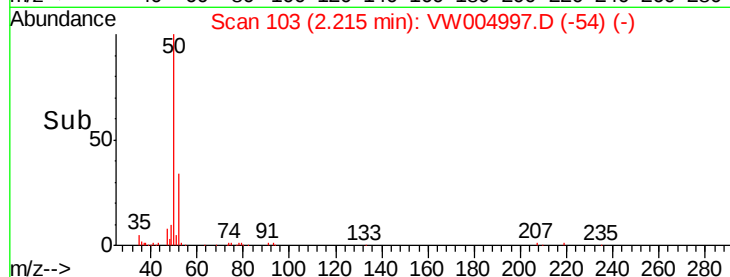
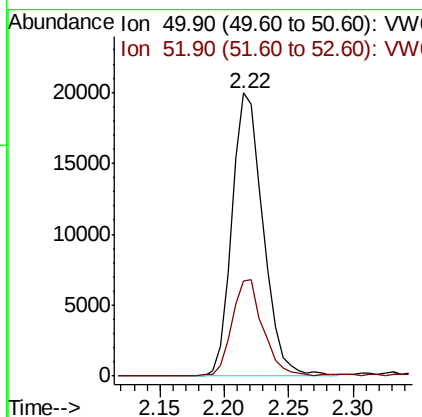
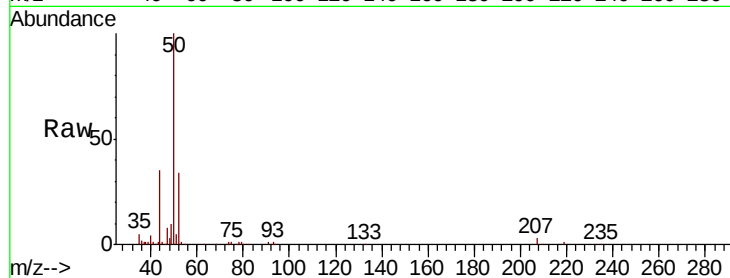
52 33.8 26.1 39.1

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#4

Vinyl Chloride

Concen: 5.285 ug/l

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW004997.D

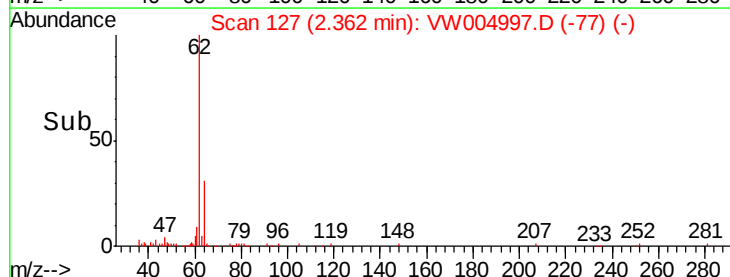
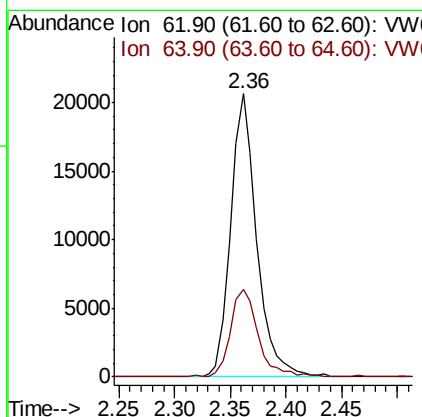
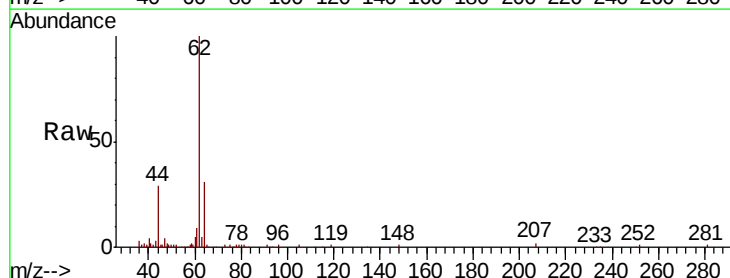
Acq: 29 Aug 2018 12:11

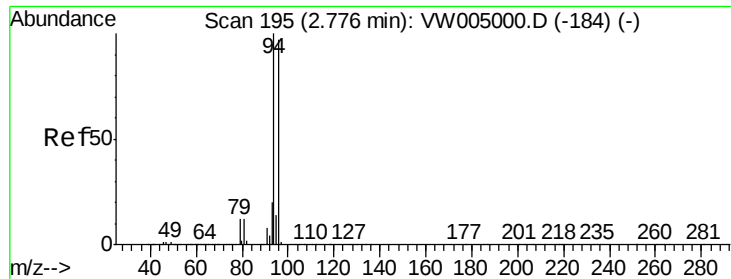
Tgt Ion: 62 Resp: 33290

Ion Ratio Lower Upper

62 100

64 31.1 24.8 37.2





#5

Bromomethane

Concen: 6.079 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 25031

Ion Ratio Lower Upper

94 100

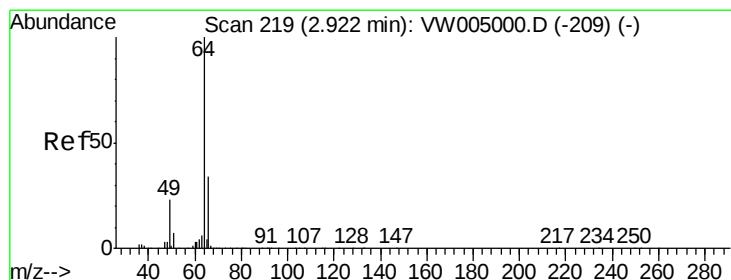
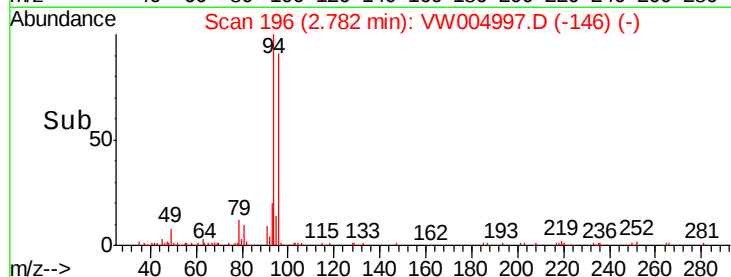
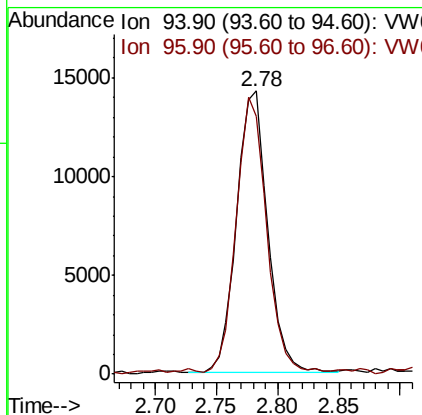
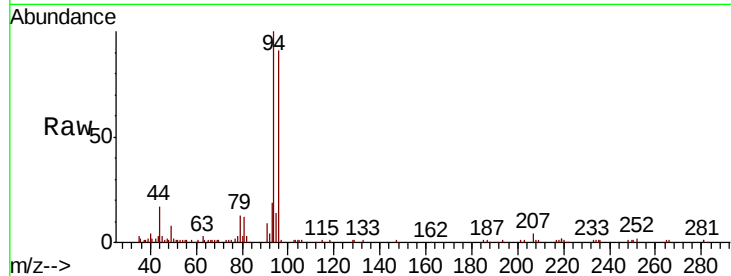
96 90.2 77.5 116.3

Manual Integrations

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#6

Chloroethane

Concen: 5.458 ug/l

RT: 2.92 min Scan# 219

Delta R.T. -0.00 min

Lab File: VW004997.D

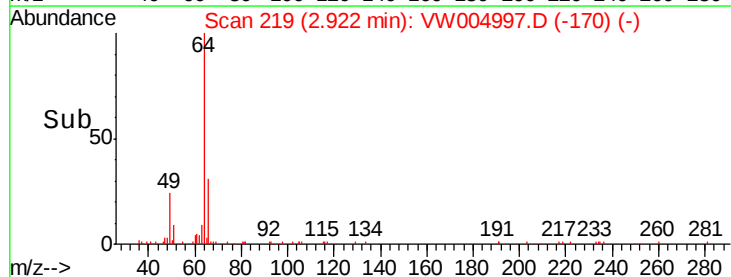
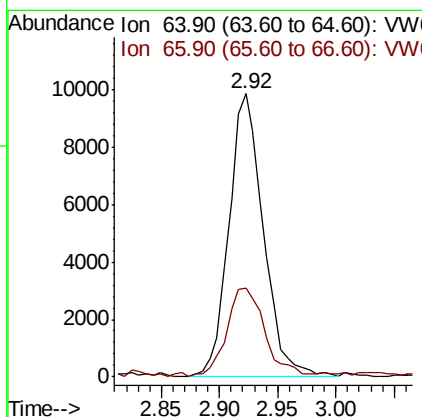
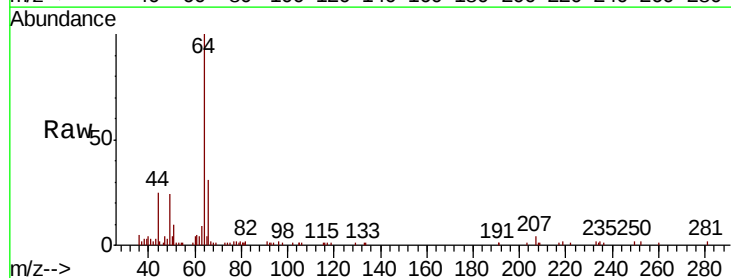
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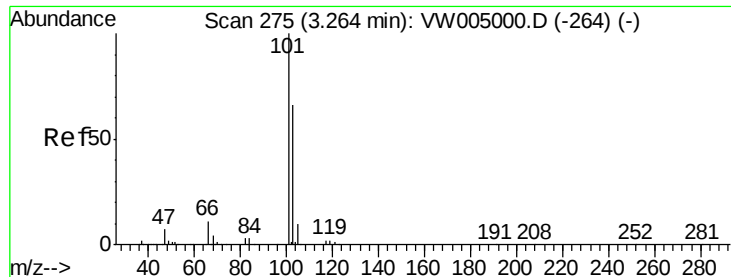
Tgt Ion: 64 Resp: 20332

Ion Ratio Lower Upper

64 100

66 31.2 26.8 40.2





#7

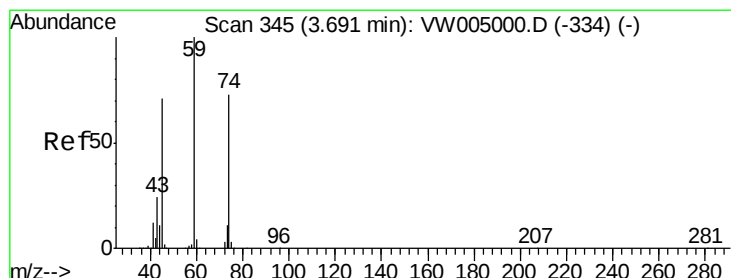
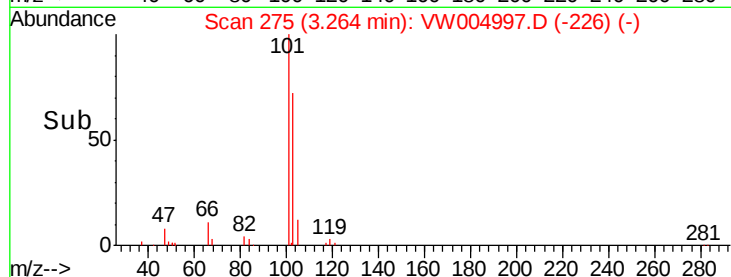
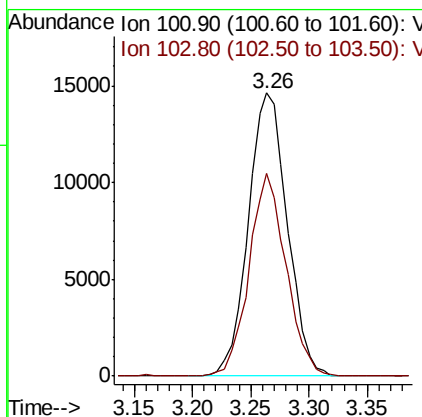
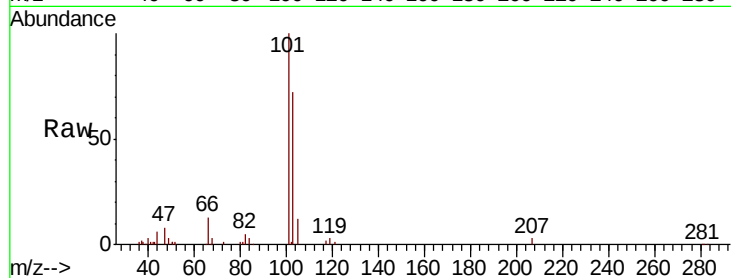
Trichlorofluoromethane
 Concen: 5.214 ug/l
 RT: 3.26 min Scan# 275
 Delta R.T. 0.00 min
 Lab File: VW004997.D
 Acq: 29 Aug 2018 12:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	71.6	52.6	78.8

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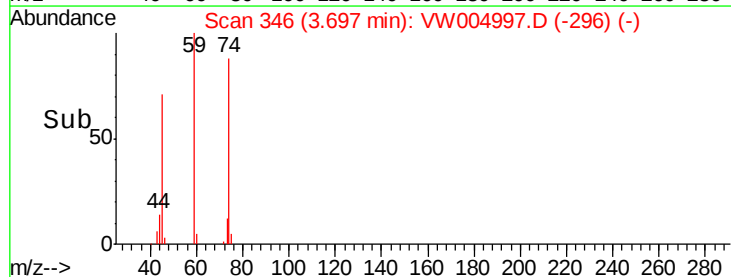
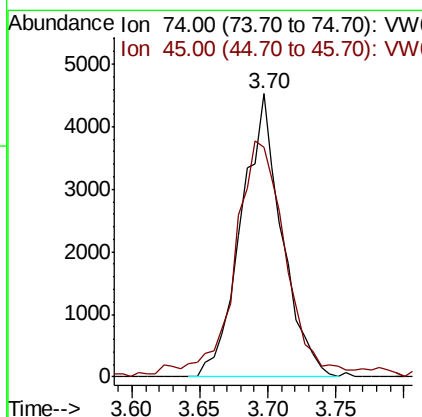
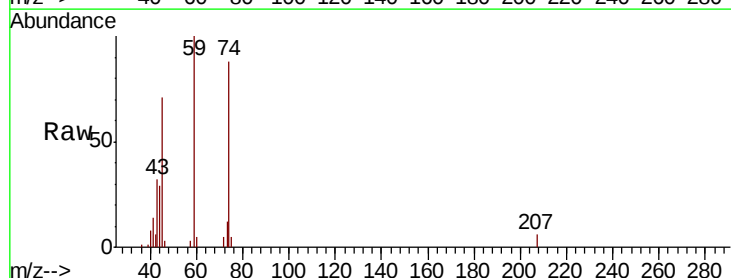
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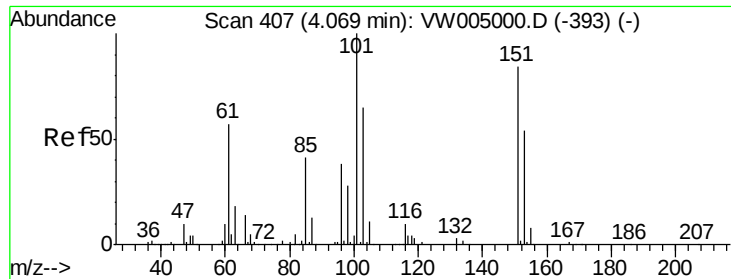


#8

Diethyl Ether
 Concen: 5.082 ug/l
 RT: 3.70 min Scan# 346
 Delta R.T. 0.01 min
 Lab File: VW004997.D
 Acq: 29 Aug 2018 12:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.7	47.8	143.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.597 ug/l

RT: 4.06 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

Instrument :

MSVOA_W

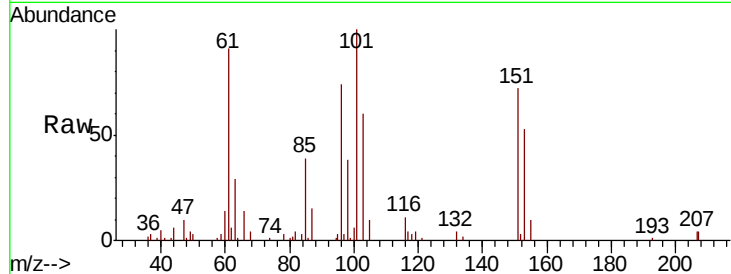
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	22501
Ion Ratio	Lower	Upper	
101	100		
85	42.3	33.4	50.0
151	79.4	67.0	100.4

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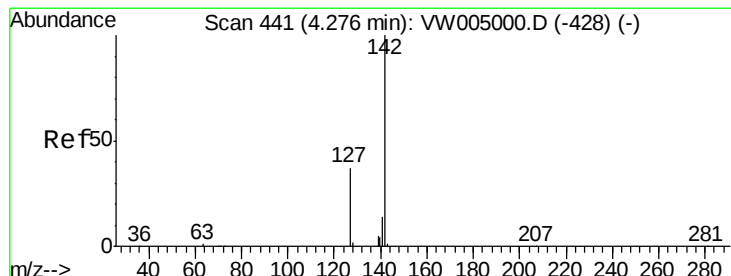
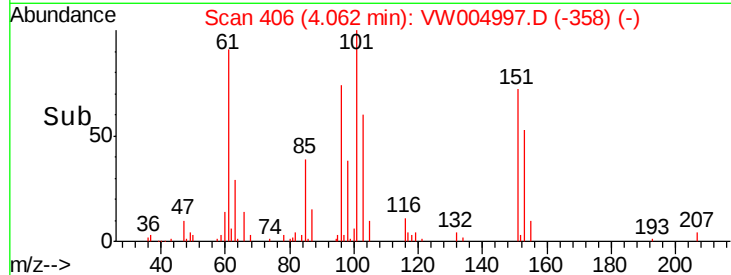
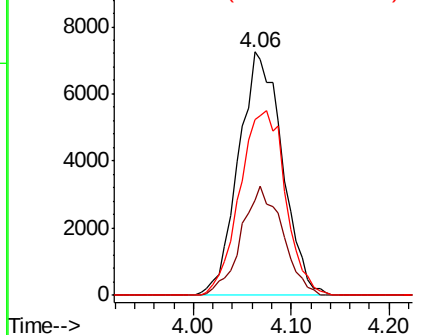


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 3.620 ug/l

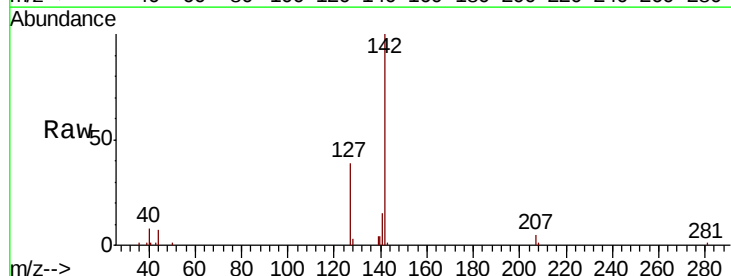
RT: 4.28 min Scan# 441

Delta R.T. -0.00 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

Tgt Ion:	142	Resp:	19904
Ion Ratio	Lower	Upper	
142	100		
127	38.7	31.1	46.7
141	14.4	11.4	17.2

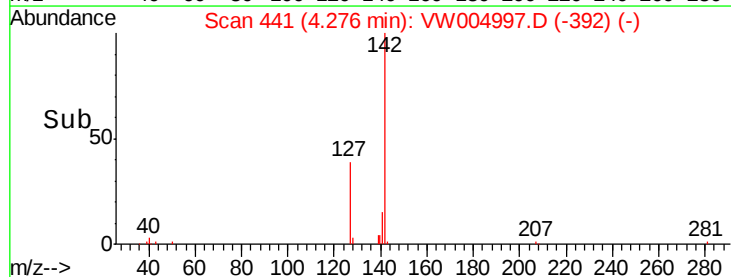
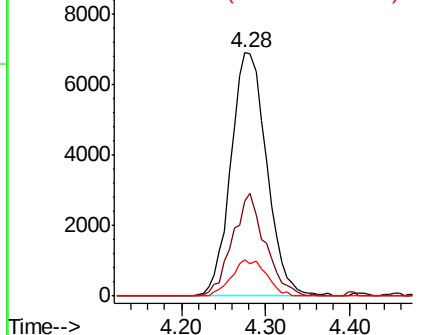


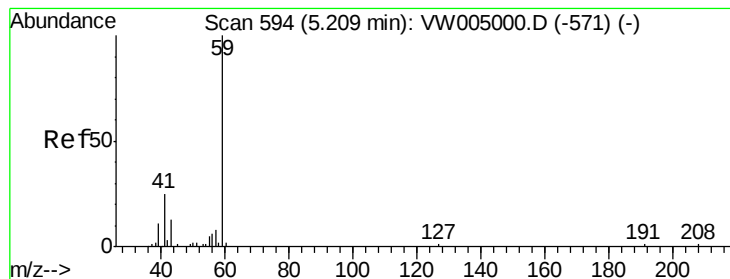
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

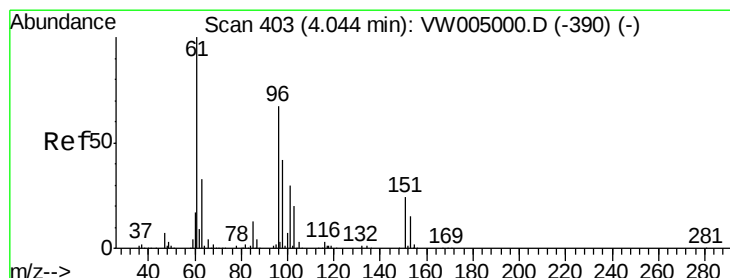
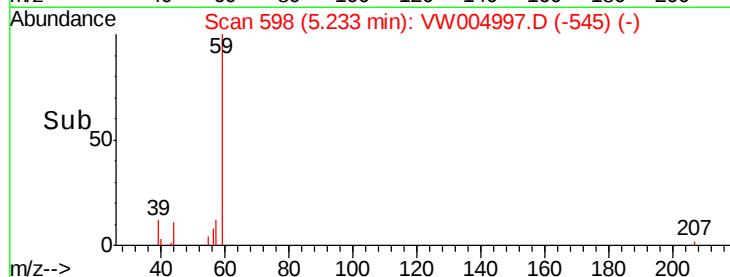
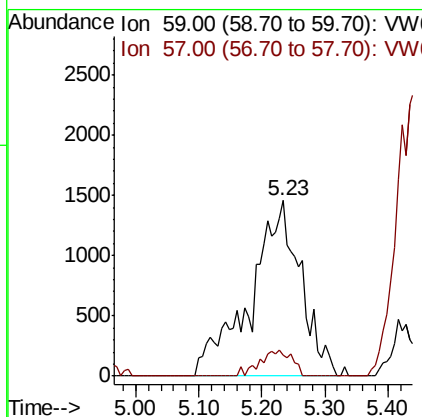
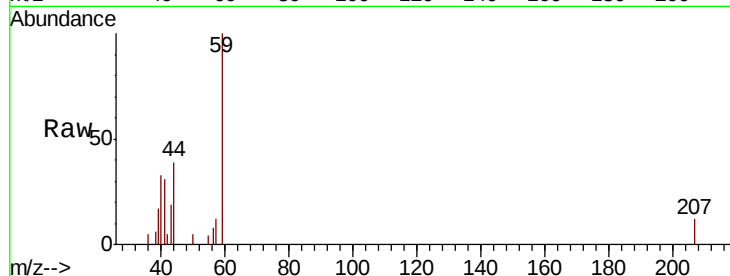
Tert butyl alcohol
Concen: 38.327 ug/l m
RT: 5.23 min Scan# 598
Delta R.T. 0.02 min
Lab File: VW004997.D
Acq: 29 Aug 2018 12:11

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.9	8.1	12.1

Manual Integrations
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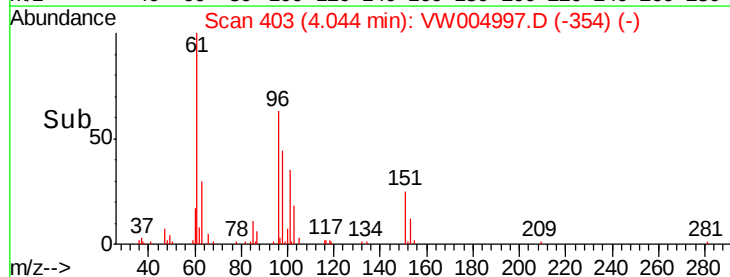
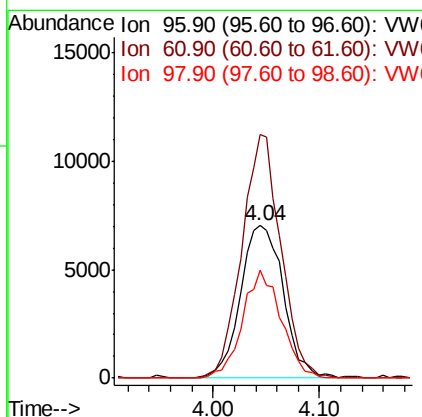
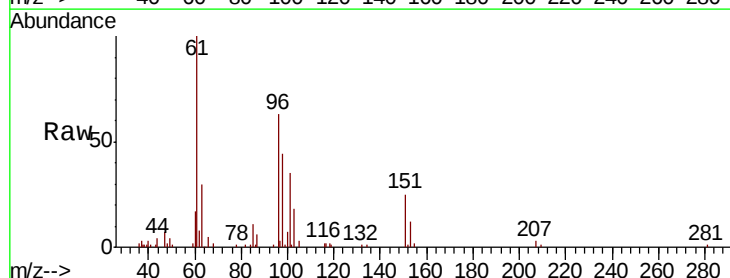
apatel
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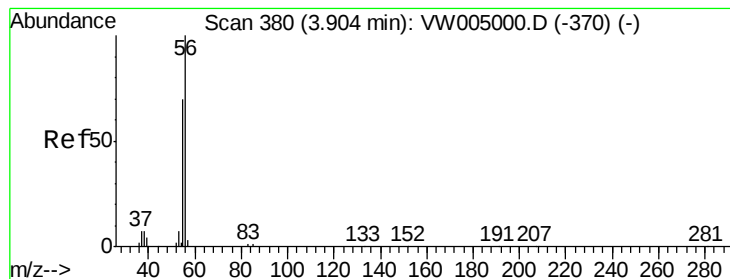


#12

1,1-Dichloroethene
Concen: 5.287 ug/l
RT: 4.04 min Scan# 403
Delta R.T. -0.00 min
Lab File: VW004997.D
Acq: 29 Aug 2018 12:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.5	119.5	179.3
98	71.0	50.4	75.6





#13

Acrolein

Concen: 23.639 ug/l

RT: 3.92 min Scan# 382

Delta R.T. 0.01 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 7092

Ion Ratio Lower Upper

56 100

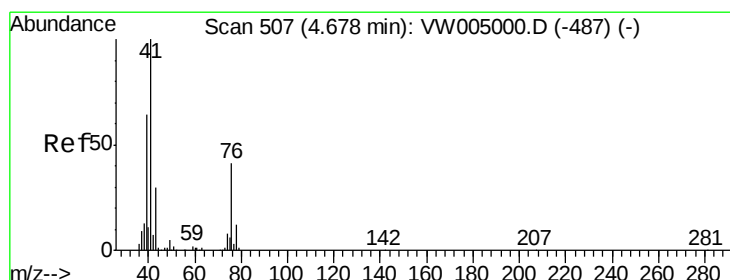
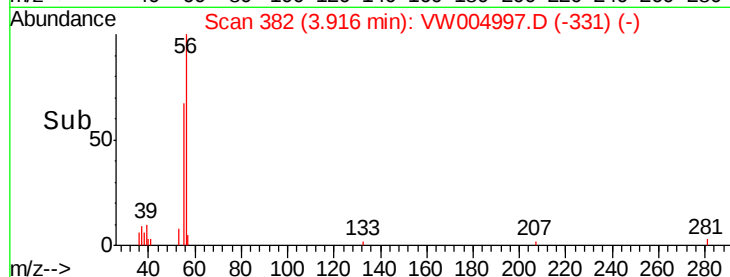
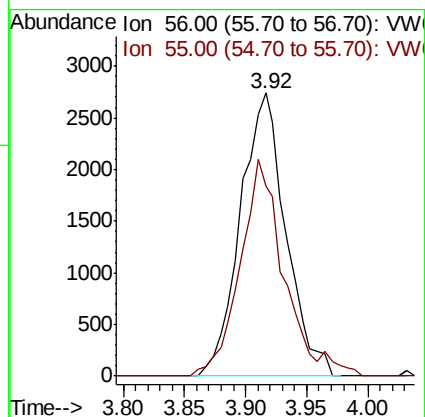
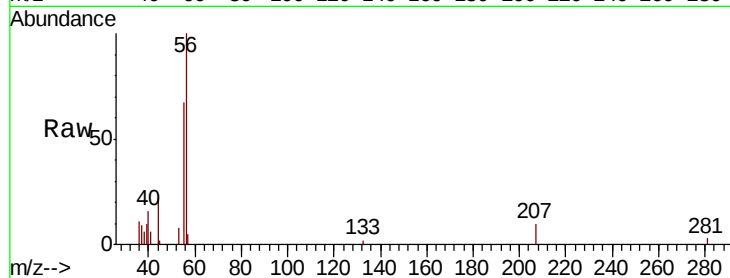
55 70.7 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 4.953 ug/l

RT: 4.68 min Scan# 507

Delta R.T. -0.00 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

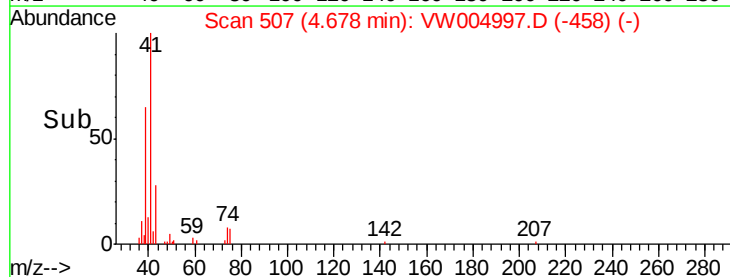
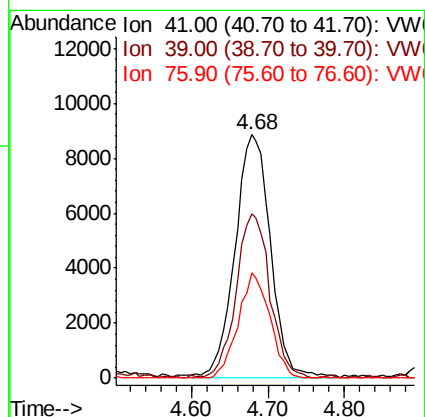
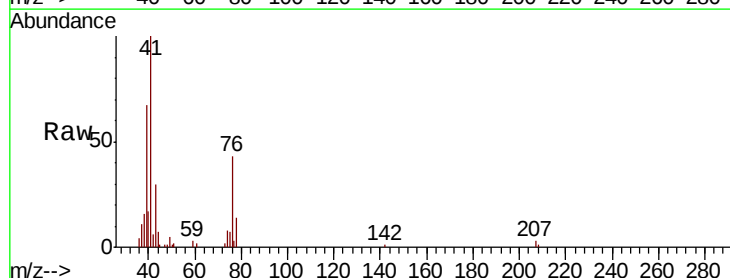
Tgt Ion: 41 Resp: 28643

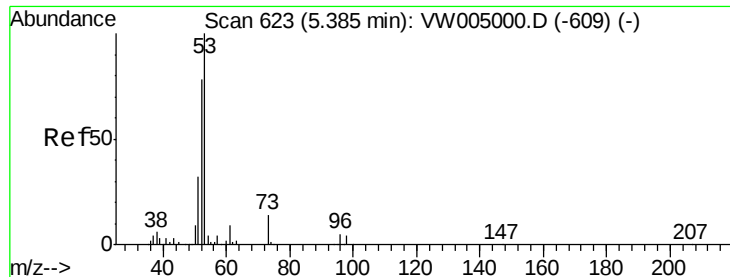
Ion Ratio Lower Upper

41 100

39 64.3 49.4 74.2

76 38.3 31.4 47.2





#15

Acrylonitrile

Concen: 23.061 ug/l

RT: 5.39 min Scan# 623

Delta R.T. 0.00 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

Instrument :

MSVOA_W

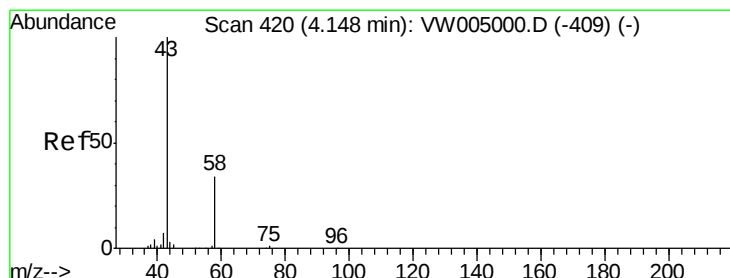
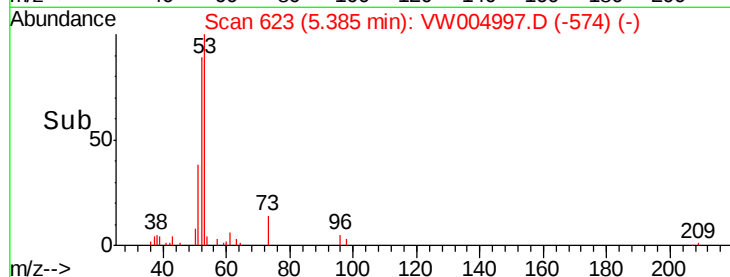
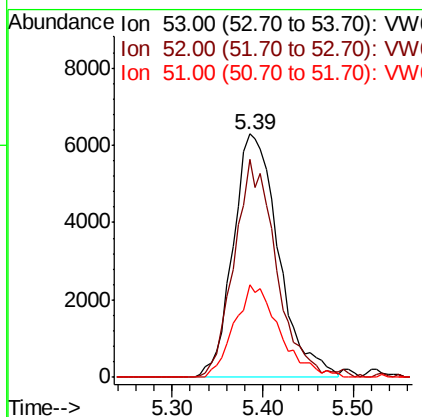
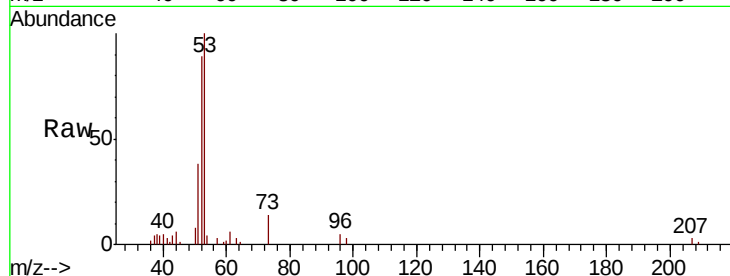
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	21779
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.0	97.6
51	38.2	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 27.277 ug/l

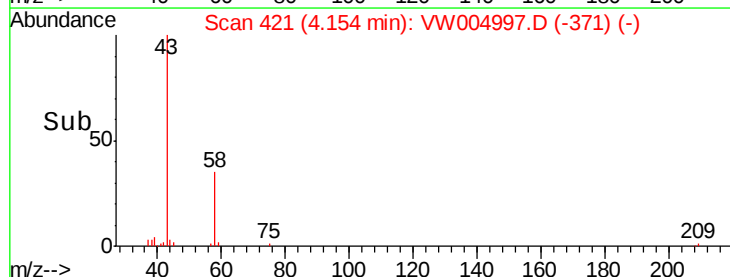
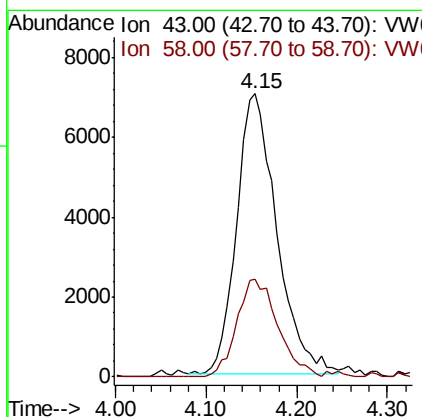
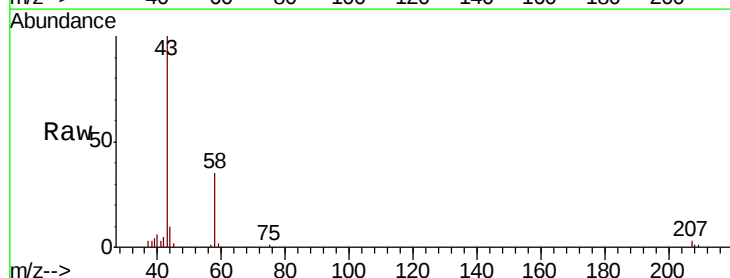
RT: 4.15 min Scan# 421

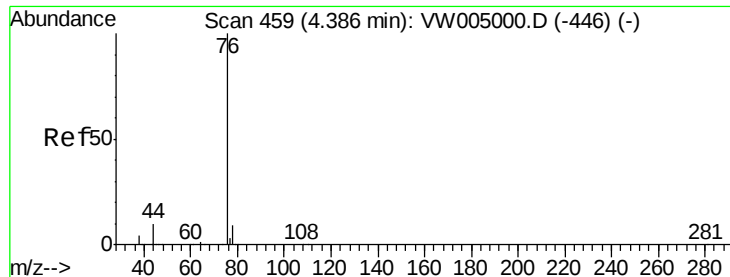
Delta R.T. 0.01 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

Tgt Ion:	43	Resp:	21642
Ion	Ratio	Lower	Upper
43	100		
58	35.0	27.2	40.8





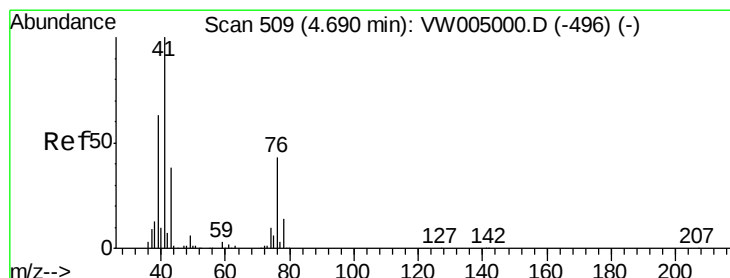
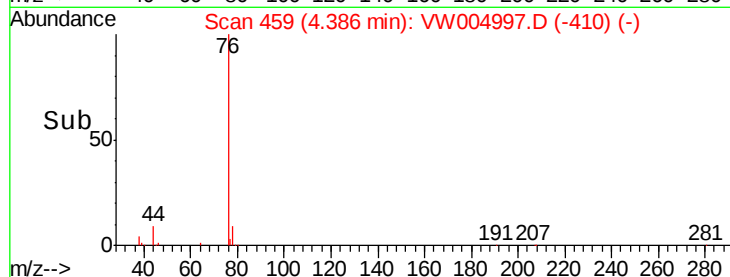
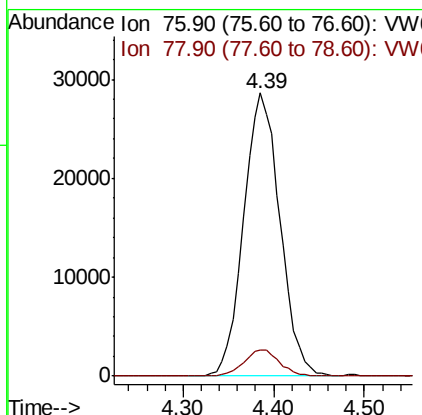
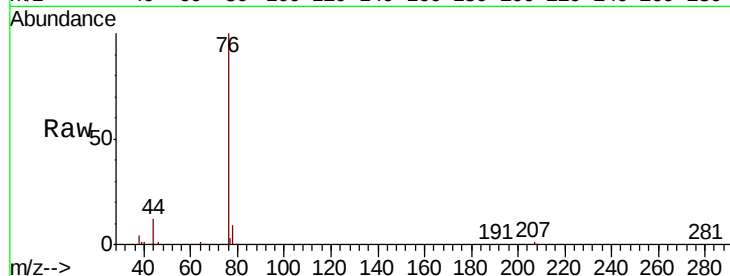
#17
Carbon Disulfide
Concen: 5.024 ug/l
RT: 4.39 min Scan# 459
Delta R.T. 0.00 min
Lab File: VW004997.D
Acq: 29 Aug 2018 12:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

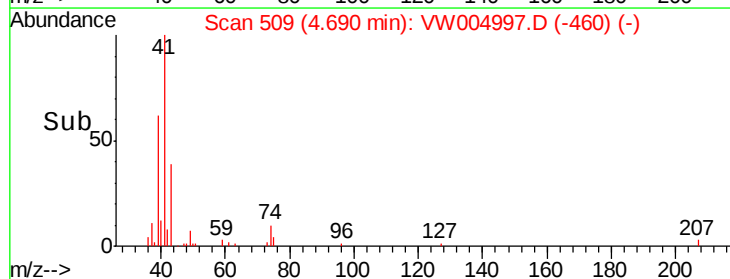
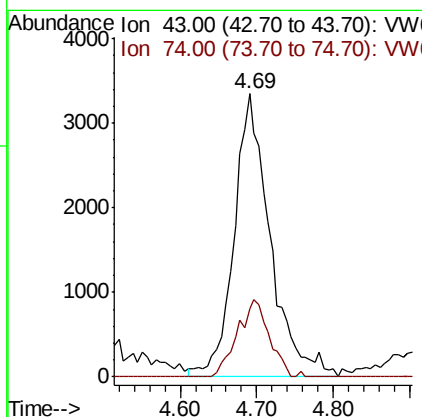
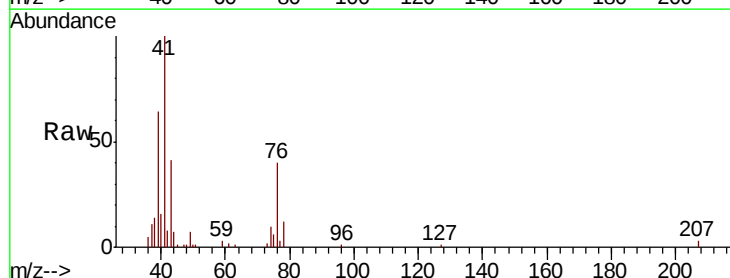
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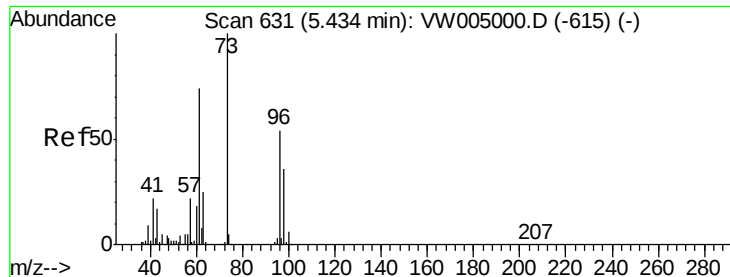
apatel
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#18
Methyl Acetate
Concen: 5.696 ug/l
RT: 4.69 min Scan# 509
Delta R.T. -0.00 min
Lab File: VW004997.D
Acq: 29 Aug 2018 12:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	20.3	30.5





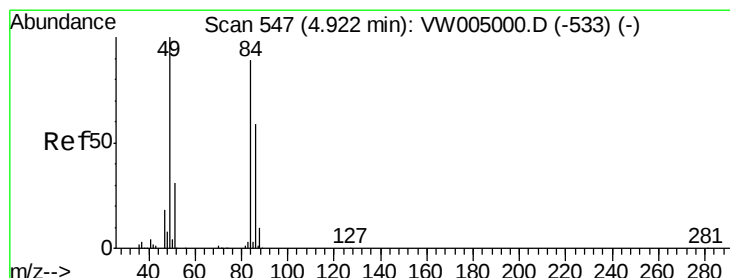
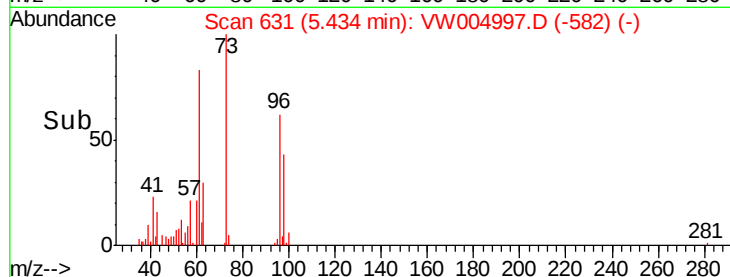
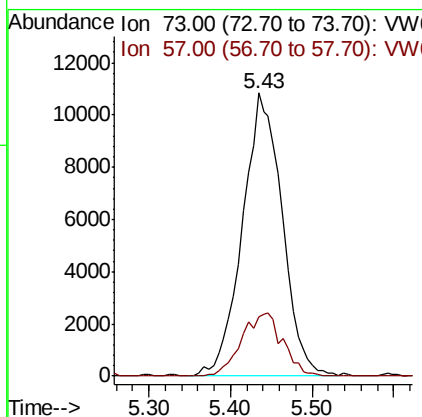
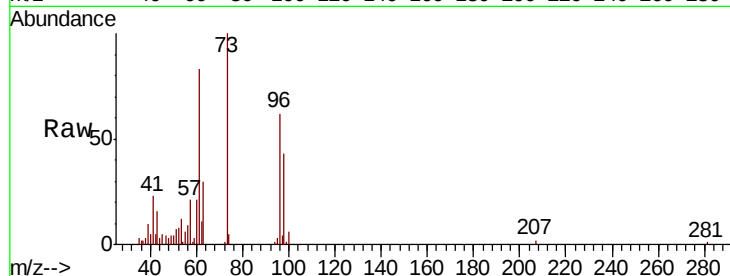
#19
Methvl tert-butvl Ether
Concen: 4.545 ug/l
RT: 5.43 min Scan# 631
Delta R.T. -0.00 min
Lab File: VW004997.D
Acq: 29 Aug 2018 12:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.6	26.4

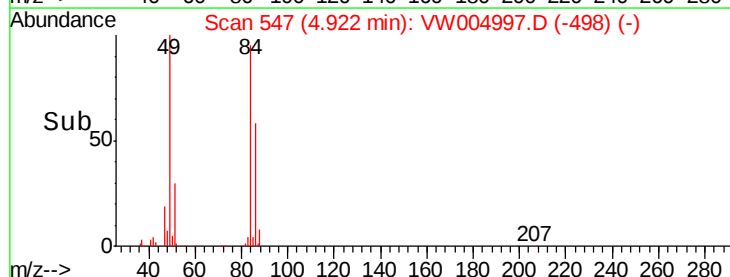
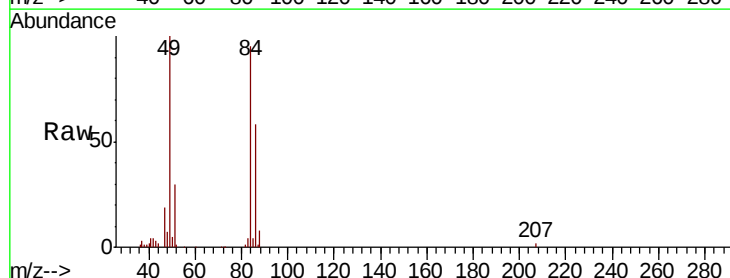
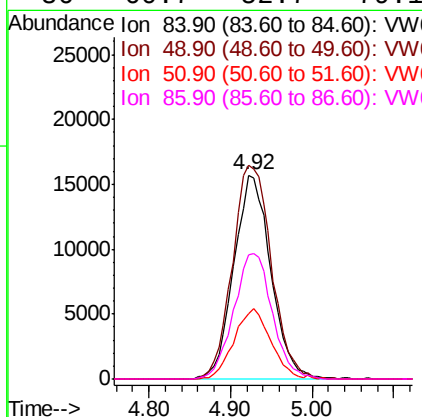
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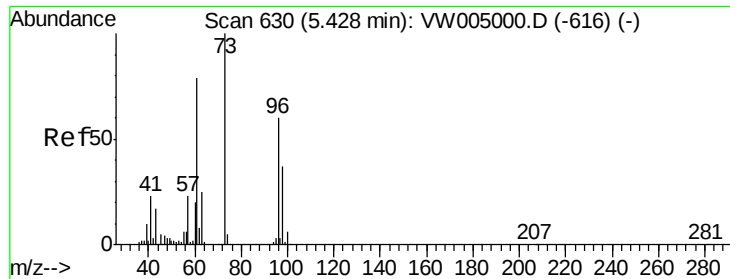
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#20
Methylene Chloride
Concen: 7.370 ug/l
RT: 4.92 min Scan# 547
Delta R.T. -0.00 min
Lab File: VW004997.D
Acq: 29 Aug 2018 12:11

Tgt Ion	Ratio	Lower	Upper
84	100		
49	104.9	89.7	134.5
51	31.8	27.5	41.3
86	60.7	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 5.135 ug/l

RT: 5.44 min Scan# 632

Delta R.T. 0.01 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

Instrument :

MSVOA_W

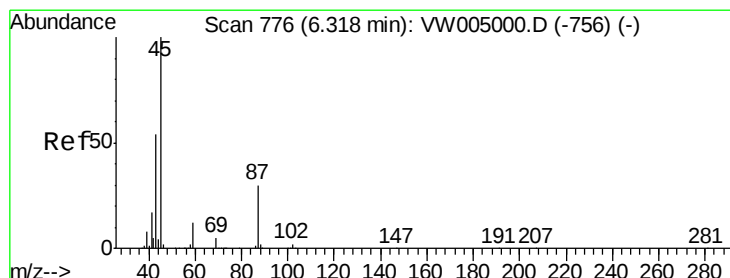
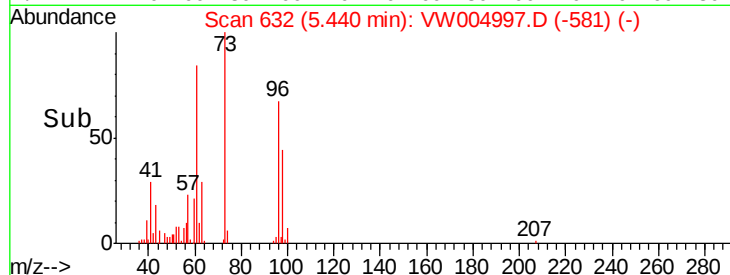
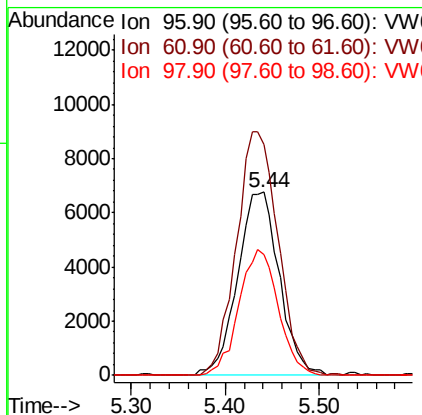
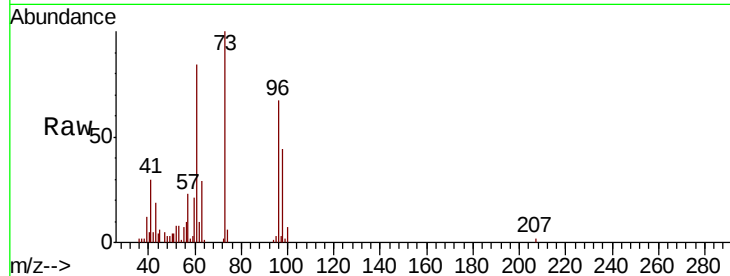
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	20942
Ion	Ratio	Lower	Upper
96	100		
61	126.4	106.2	159.2
98	66.3	49.5	74.3

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#22

Diisopropyl ether

Concen: 4.280 ug/l

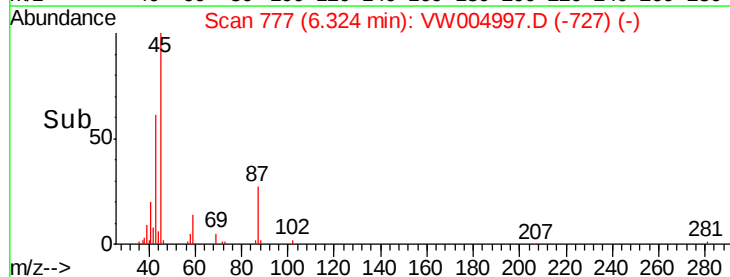
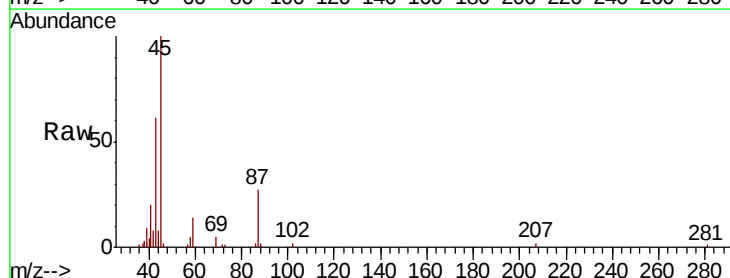
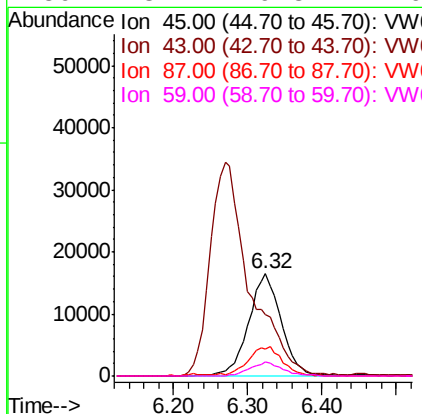
RT: 6.32 min Scan# 777

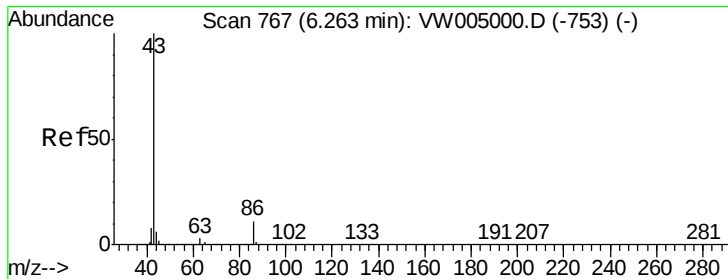
Delta R.T. 0.01 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

Tgt Ion:	45	Resp:	50532
Ion	Ratio	Lower	Upper
45	100		
43	58.8	43.5	65.3
87	26.6	23.8	35.8
59	13.7	9.8	14.6





#23

Vinyl Acetate

Concen: 21.042 ug/l

RT: 6.27 min Scan# 768

Delta R.T. 0.01 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 127010

Ion Ratio Lower Upper

43 100

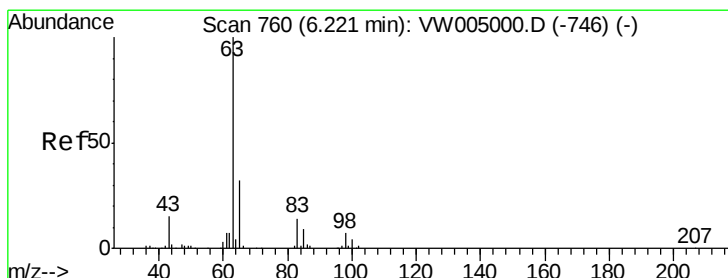
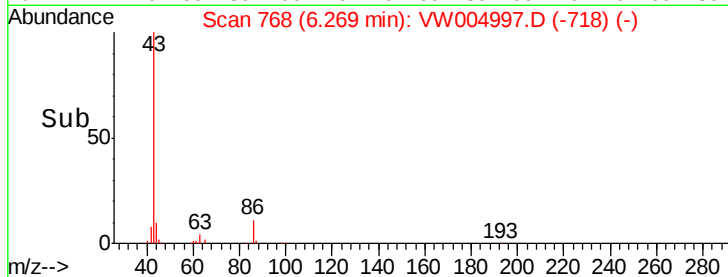
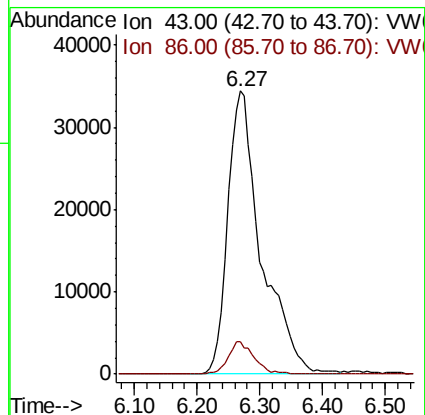
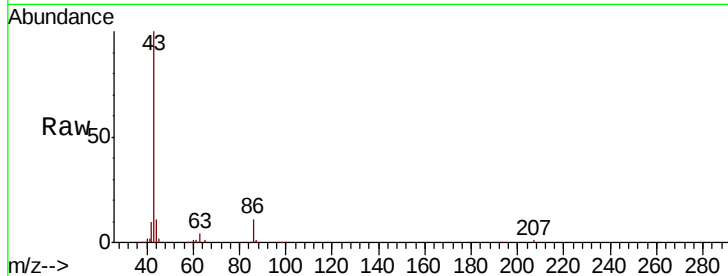
86 11.5 9.0 13.6

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#24

1,1-Dichloroethane

Concen: 5.407 ug/l

RT: 6.23 min Scan# 761

Delta R.T. 0.01 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

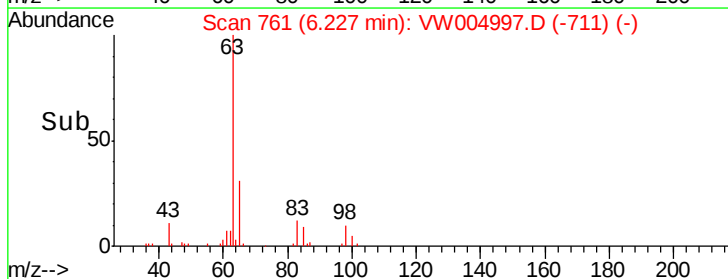
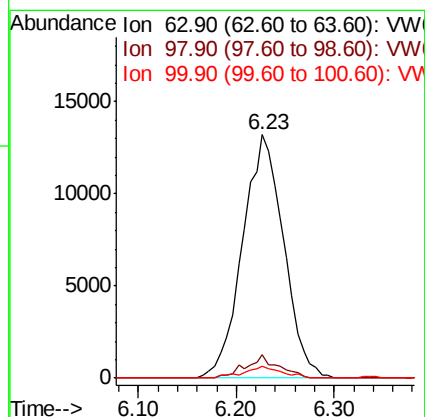
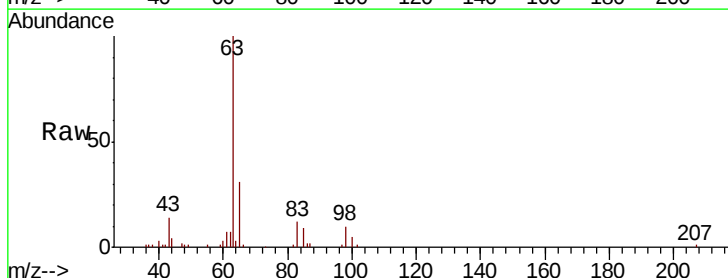
Tgt Ion: 63 Resp: 38626

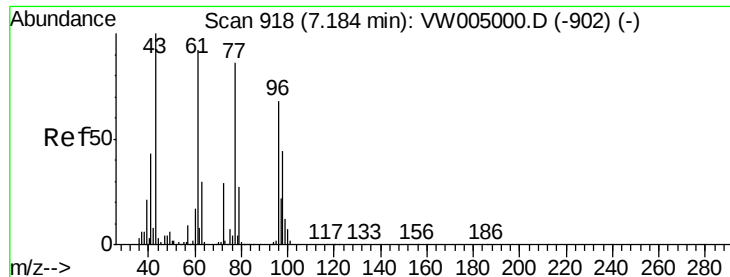
Ion Ratio Lower Upper

63 100

98 9.9 3.4 10.2

100 4.8 2.2 6.6





#25

2-Butanone

Concen: 24.552 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 30378

Ion Ratio Lower Upper

43 100

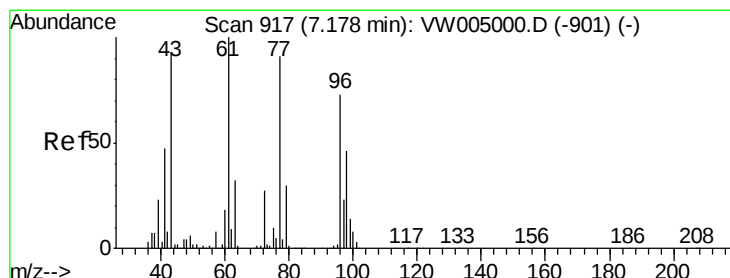
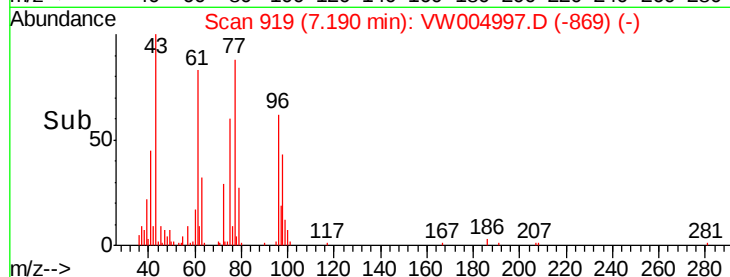
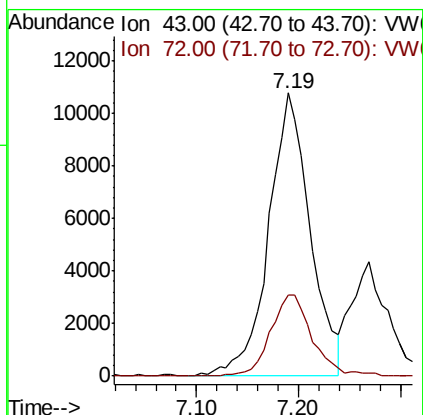
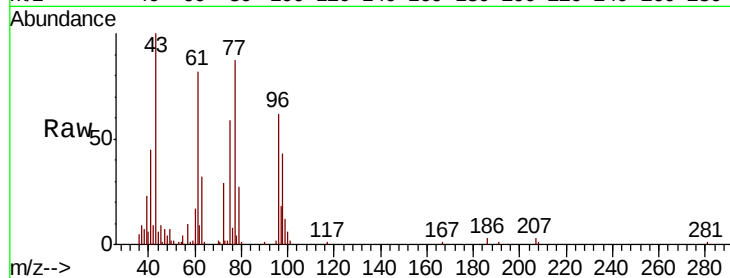
72 28.6 23.4 35.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.672 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.00 min

Lab File: VW004997.D

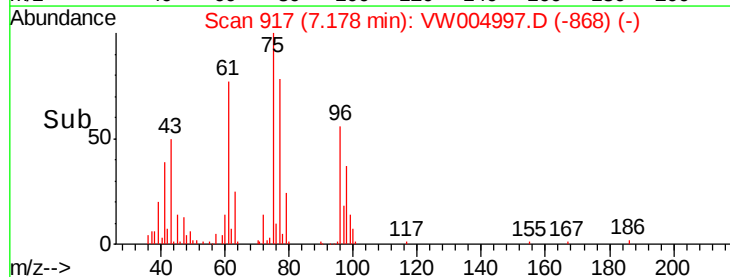
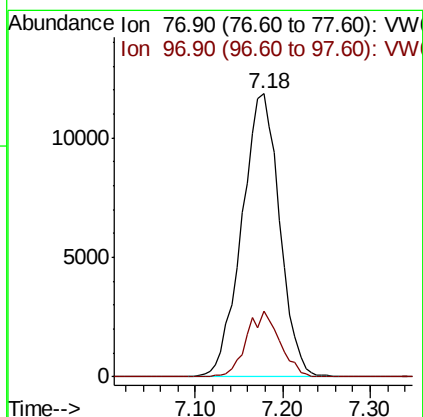
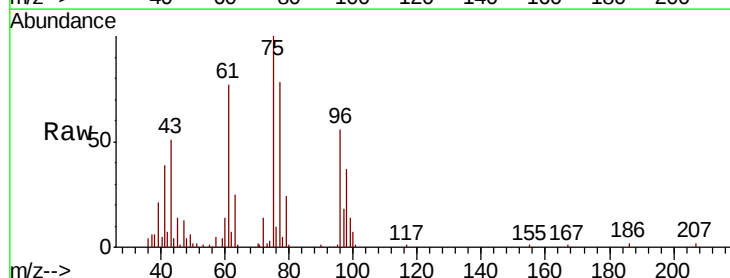
Acq: 29 Aug 2018 12:11

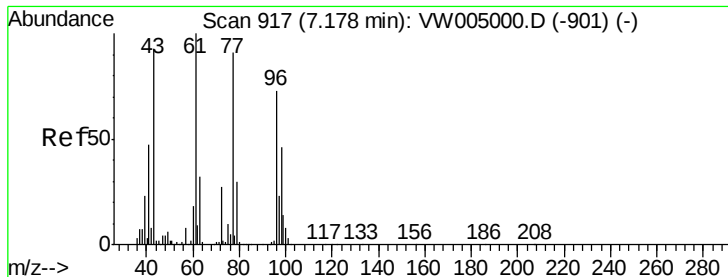
Tgt Ion: 77 Resp: 35562

Ion Ratio Lower Upper

77 100

97 20.5 12.2 36.4





#27

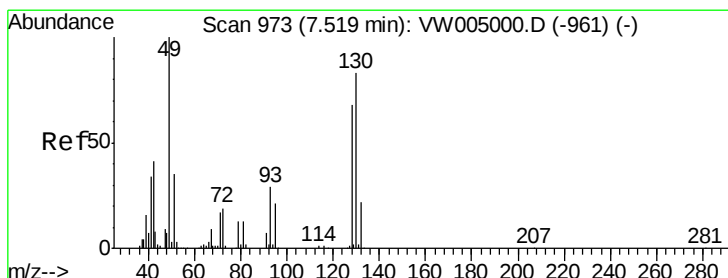
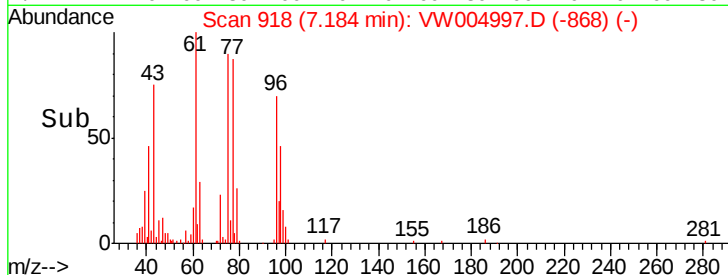
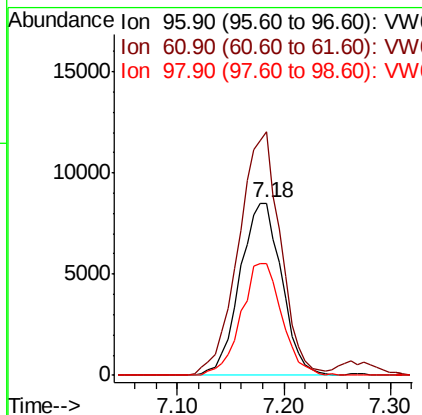
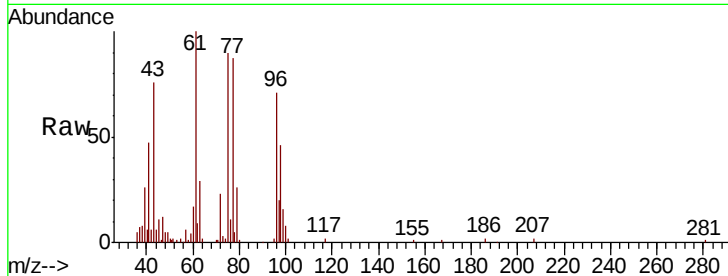
cis-1,2-Dichloroethene
 Concen: 5.269 ug/l
 RT: 7.18 min Scan# 918
 Delta R.T. 0.01 min
 Lab File: VW004997.D
 Acq: 29 Aug 2018 12:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.3	0.0	281.6
98	63.2	0.0	129.0

Manual Integrations
 APPROVED

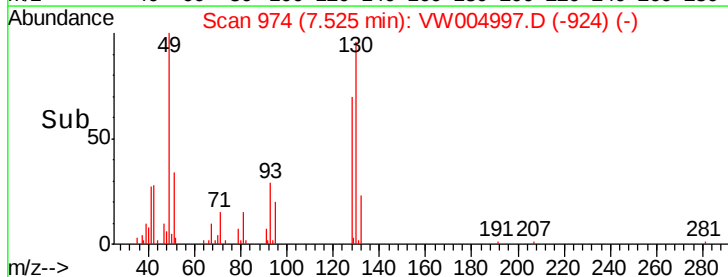
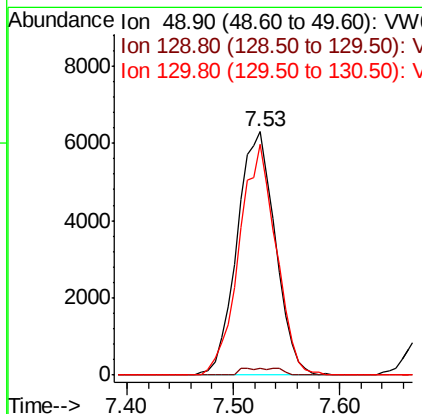
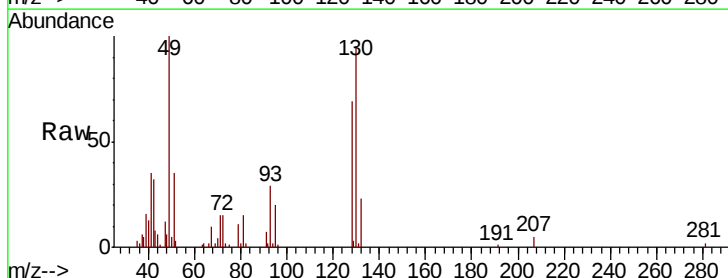
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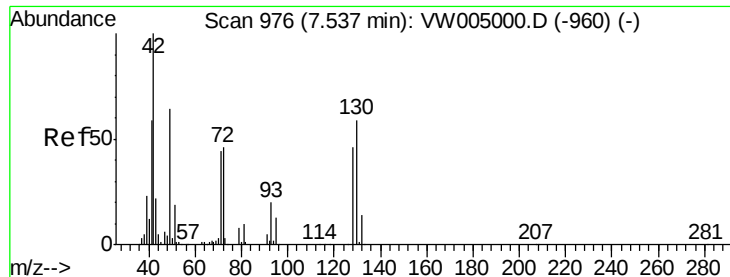


#28

Bromochloromethane
 Concen: 5.061 ug/l
 RT: 7.53 min Scan# 974
 Delta R.T. 0.01 min
 Lab File: VW004997.D
 Acq: 29 Aug 2018 12:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.2
130	91.3	68.2	102.2





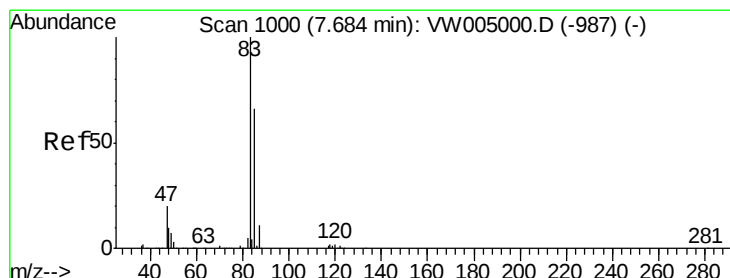
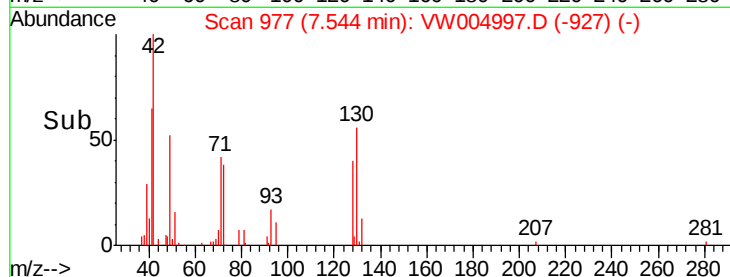
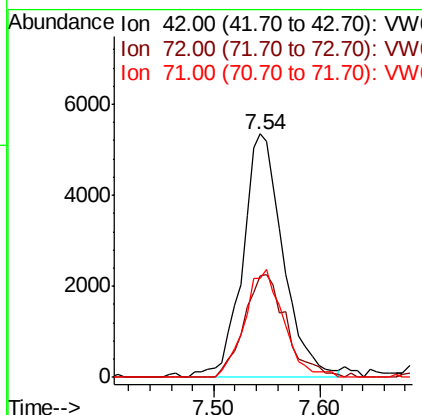
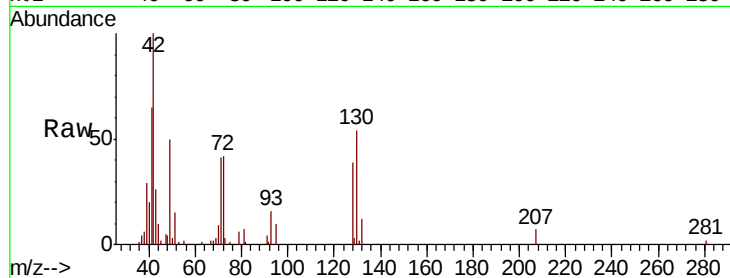
#29
Tetrahydrofuran
Concen: 22.767 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW004997.D
Acq: 29 Aug 2018 12:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.8	36.6	55.0
71	42.6	35.4	53.2

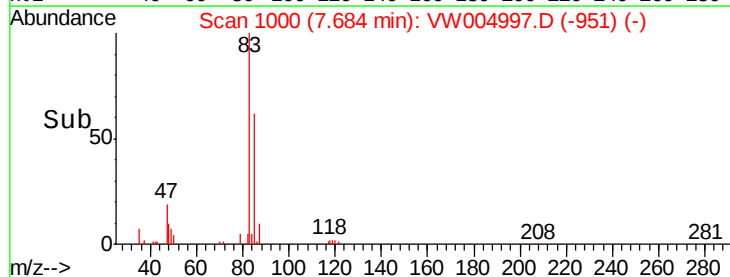
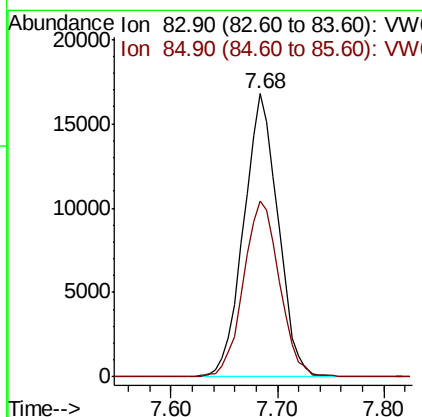
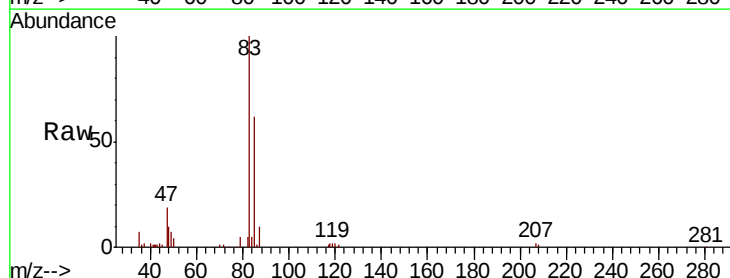
Manual Integrations
APPROVED

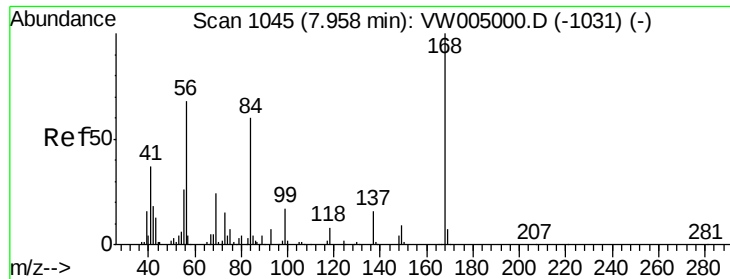
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#30
Chloroform
Concen: 5.418 ug/l
RT: 7.68 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VW004997.D
Acq: 29 Aug 2018 12:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	52.6	78.8





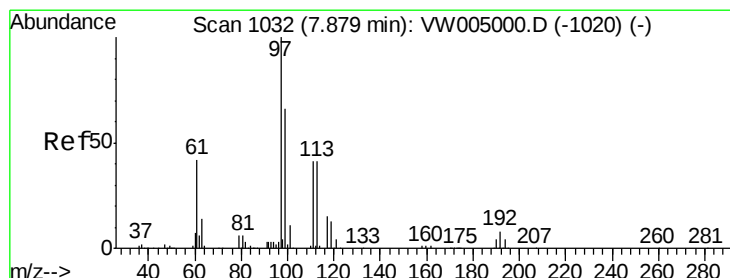
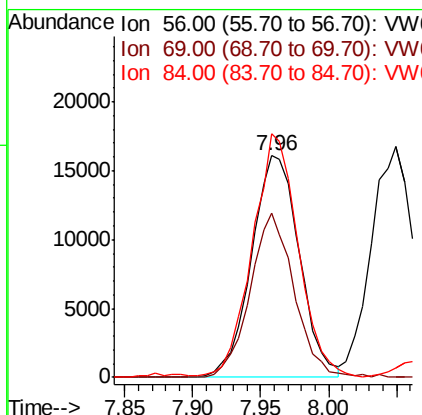
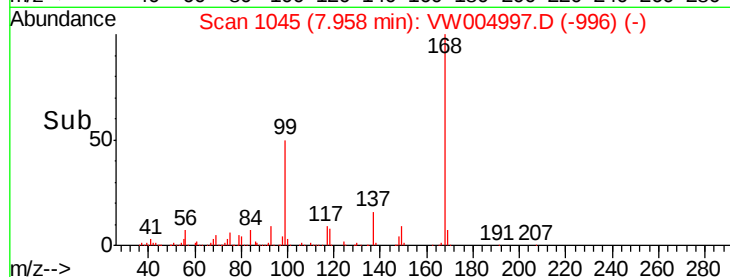
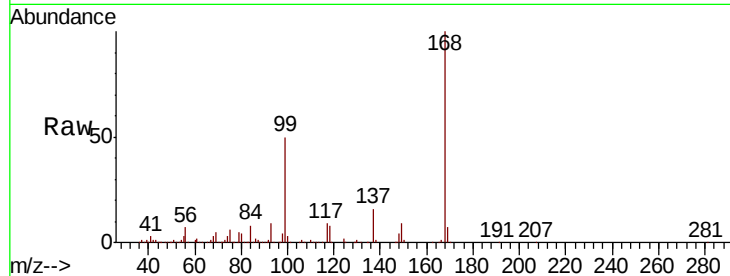
#31
Cyclohexane
Concen: 5.244 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW004997.D
Acq: 29 Aug 2018 12:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	74.0	27.9	41.9#	
84	109.5	70.5	105.7#	

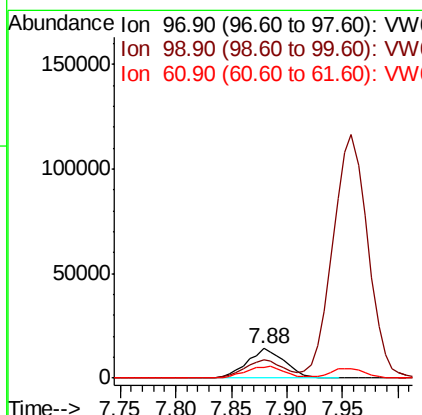
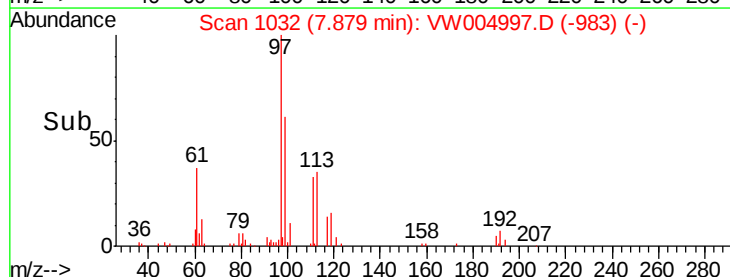
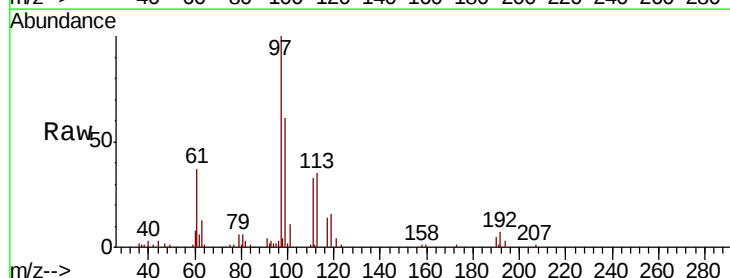
Manual Integrations
APPROVED

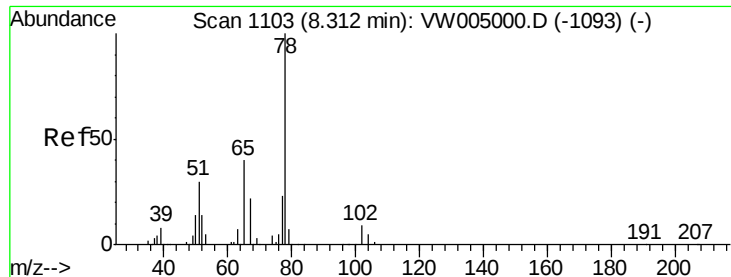
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#32
1,1,1-Trichloroethane
Concen: 5.133 ug/l
RT: 7.88 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VW004997.D
Acq: 29 Aug 2018 12:11

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	63.5	52.3	78.5	
61	42.7	33.2	49.8	





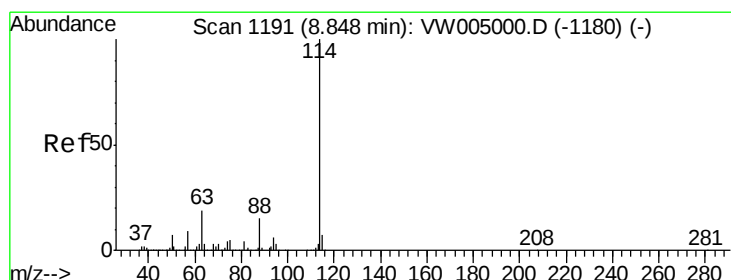
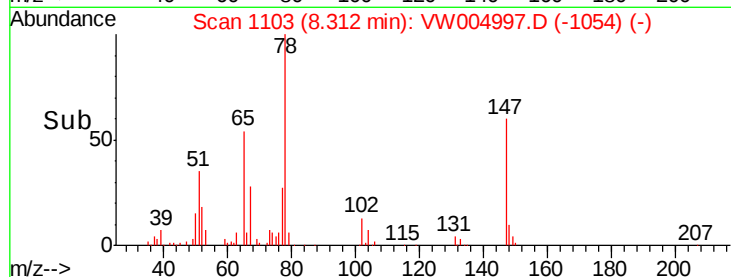
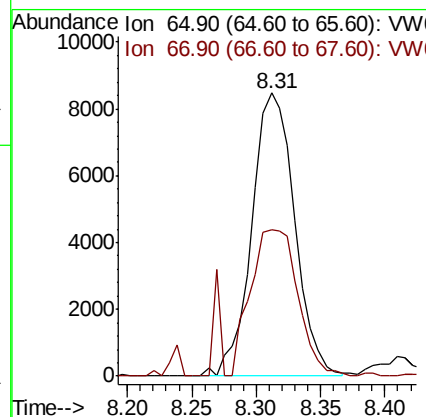
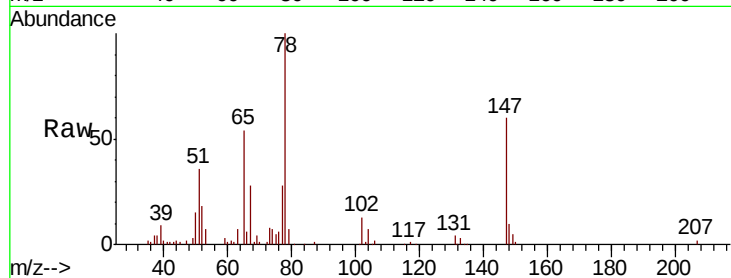
#33
 1,2-Dichloroethane-d4
 Concen: 5.542 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW004997.D
 Acq: 29 Aug 2018 12:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	19497		
67	57.6	0.0	112.8	

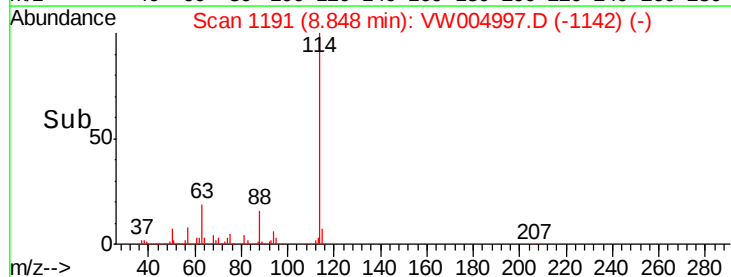
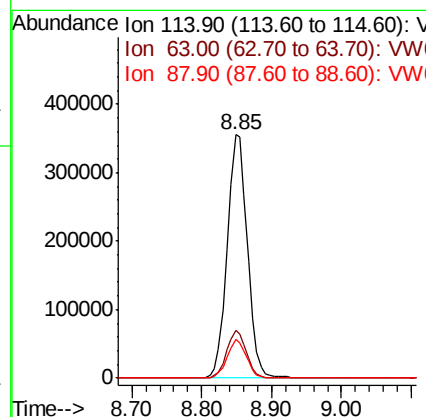
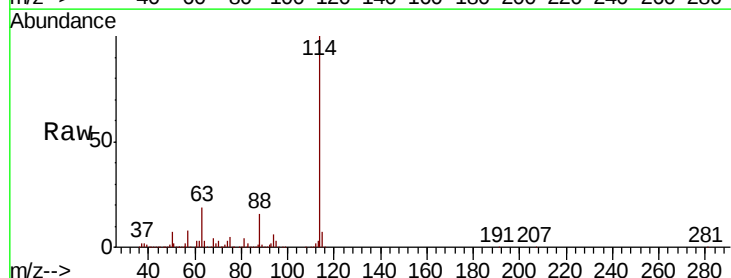
Manual Integrations
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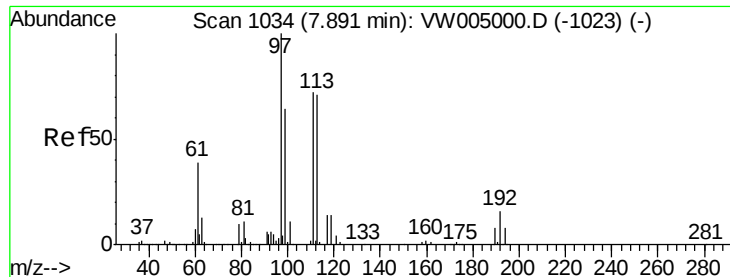
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004997.D
 Acq: 29 Aug 2018 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	711760		
63	19.4	0.0	38.4	
88	16.0	0.0	30.6	





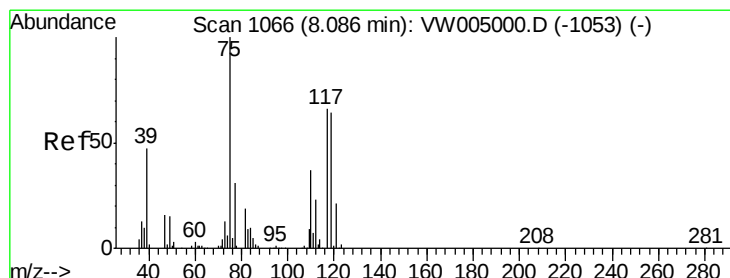
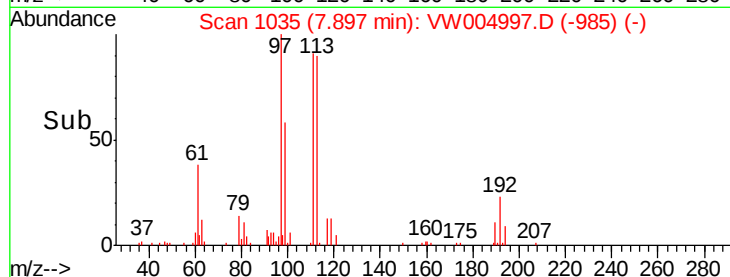
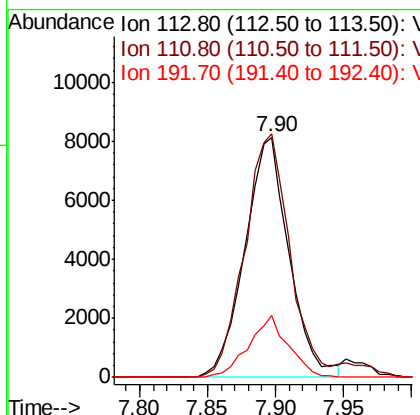
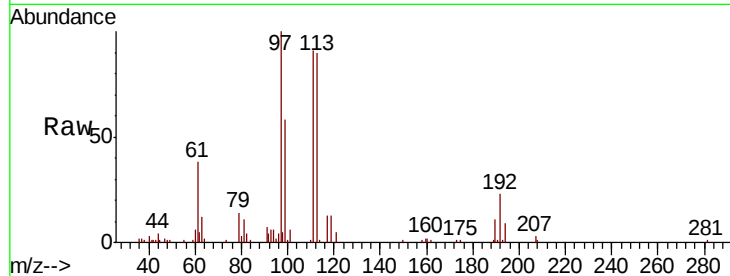
#35
 Dibromofluoromethane
 Concen: 5.249 ug/l
 RT: 7.90 min Scan# 1035
 Delta R.T. 0.01 min
 Lab File: VW004997.D
 Acq: 29 Aug 2018 12:11

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
113	100	18515		
111	102.6	81.3	121.9	
192	23.0	17.8	26.8	

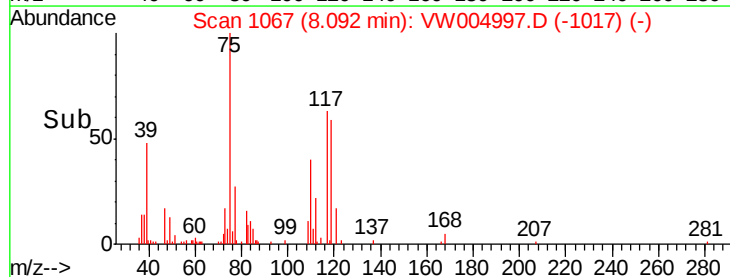
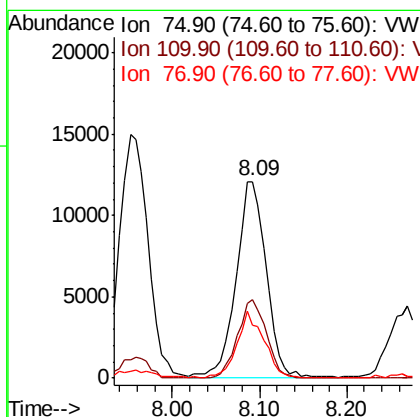
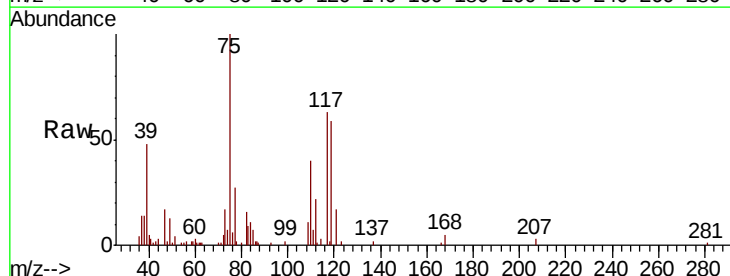
Manual Integrations
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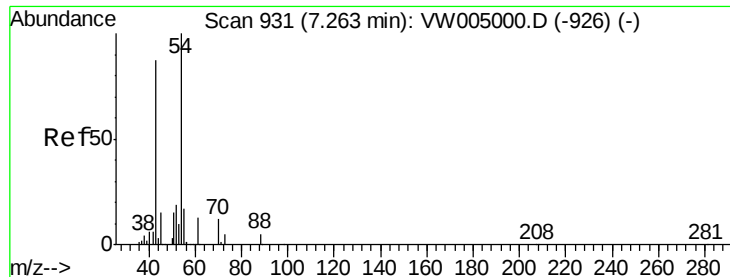
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#36
 1,1-Dichloropropene
 Concen: 4.728 ug/l
 RT: 8.09 min Scan# 1067
 Delta R.T. 0.01 min
 Lab File: VW004997.D
 Acq: 29 Aug 2018 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	28513		
110	38.4	18.7	56.1	
77	31.3	24.9	37.3	





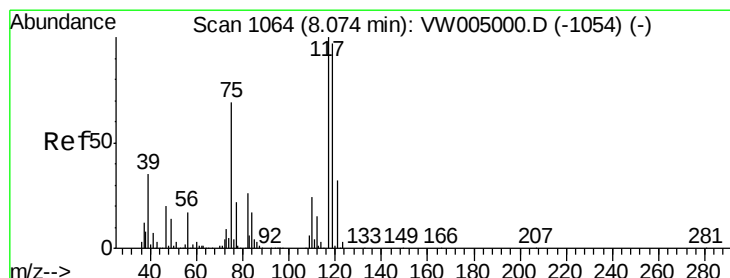
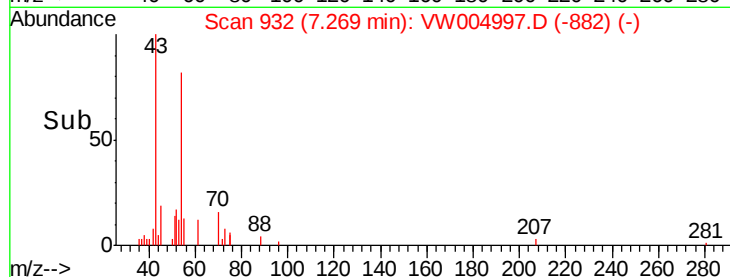
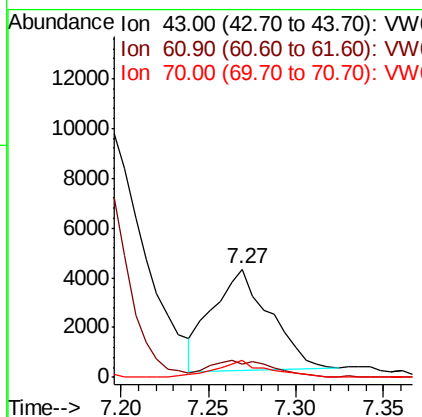
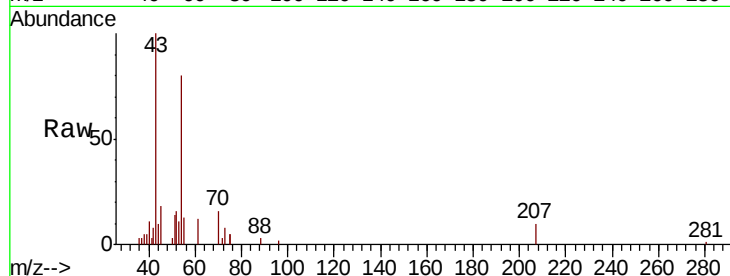
#37
Ethyl Acetate
Concen: 4.273 ug/l
RT: 7.27 min Scan# 932
Delta R.T. 0.01 min
Lab File: VW004997.D
Acq: 29 Aug 2018 12:11

Instrument :
MSVOA_W
ClientSampleID :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	12.3	18.5#
70	15.4	9.7	14.5#

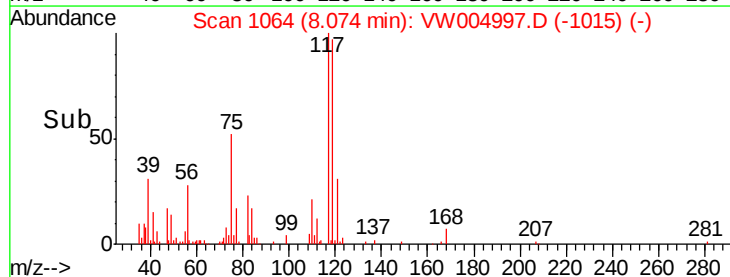
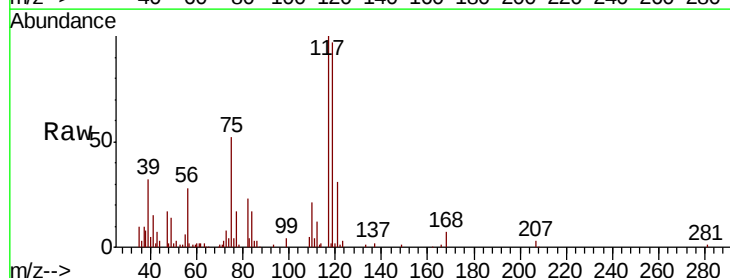
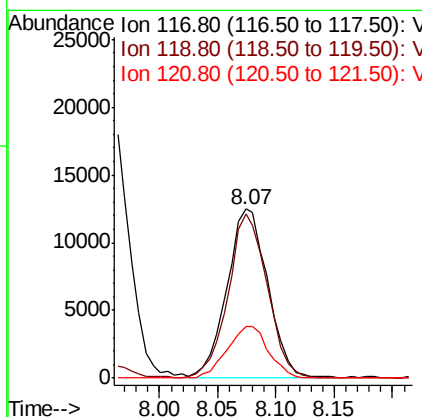
Manual Integrations
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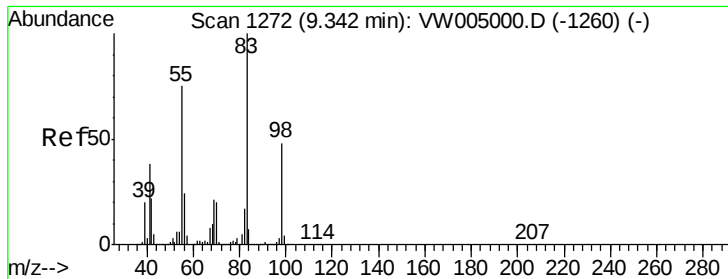
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#38
Carbon Tetrachloride
Concen: 5.226 ug/l
RT: 8.07 min Scan# 1064
Delta R.T. -0.00 min
Lab File: VW004997.D
Acq: 29 Aug 2018 12:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	77.8	116.8
121	30.8	25.2	37.8





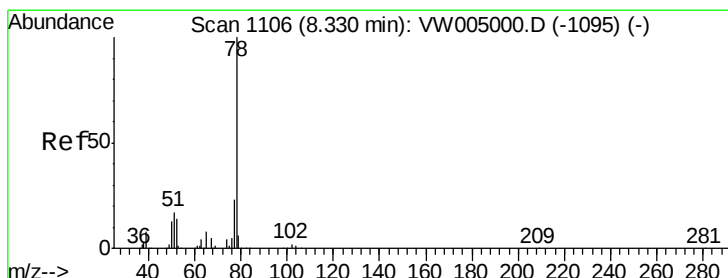
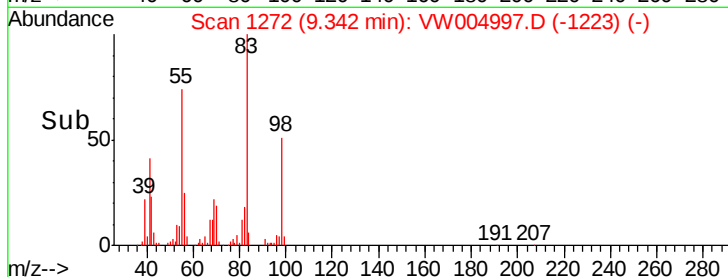
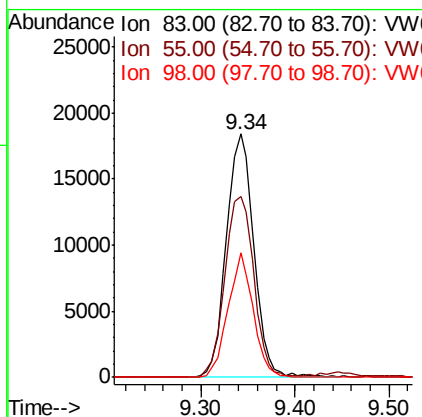
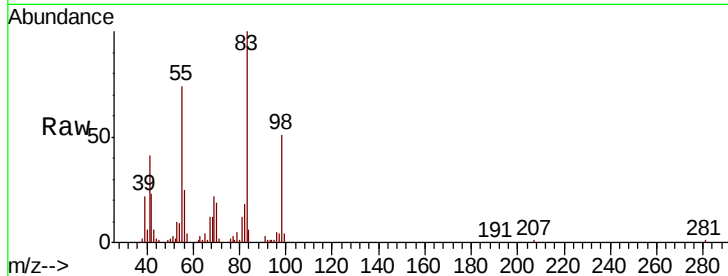
#39
Methvlcvclohexane
Concen: 4.505 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VW004997.D
Acq: 29 Aug 2018 12:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	37454
Ion Ratio	Lower	Upper	
83	100		
55	74.5	60.2	90.2
98	51.0	38.6	57.8

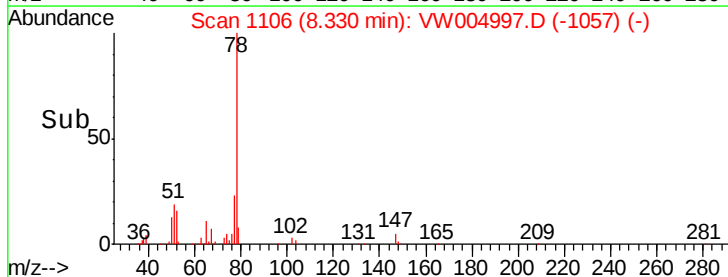
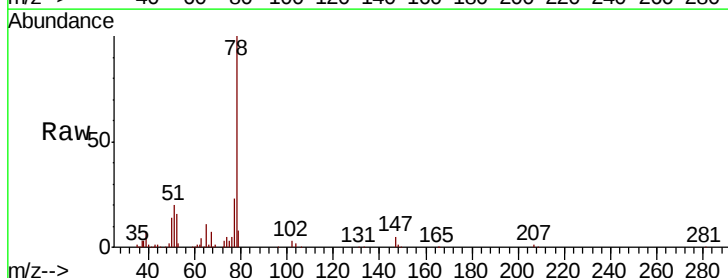
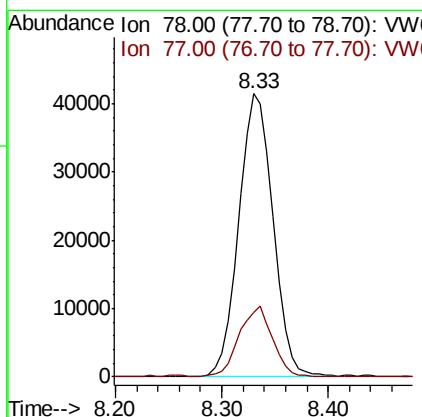
Manual Integrations
APPROVED

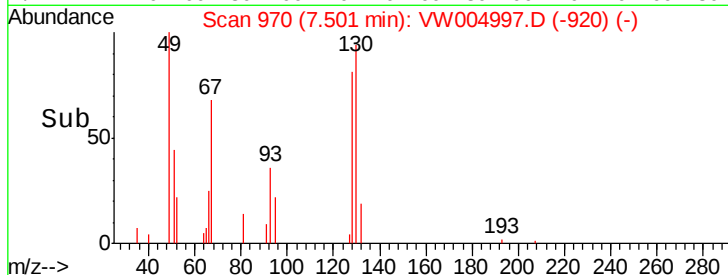
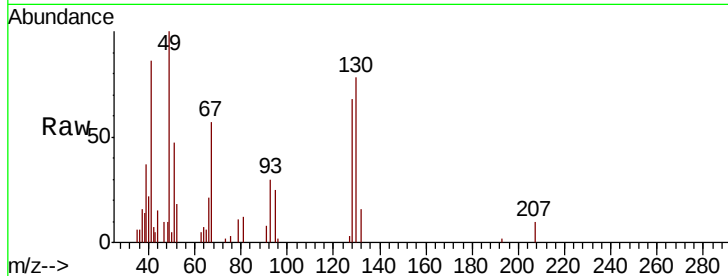
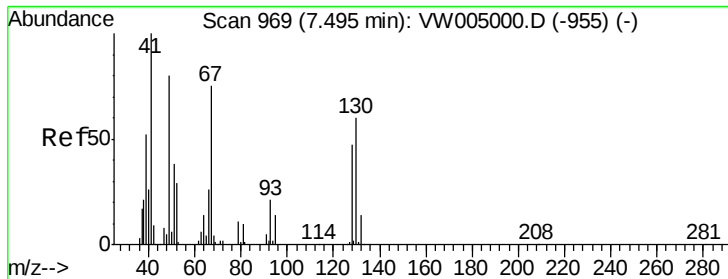
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#40
Benzene
Concen: 4.866 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VW004997.D
Acq: 29 Aug 2018 12:11

Tgt Ion	78	Resp	93925
Ion Ratio	Lower	Upper	
78	100		
77	22.6	18.6	28.0





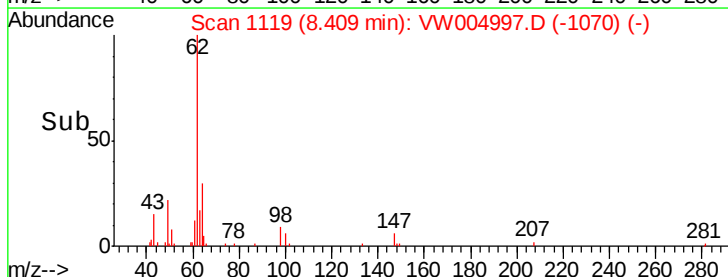
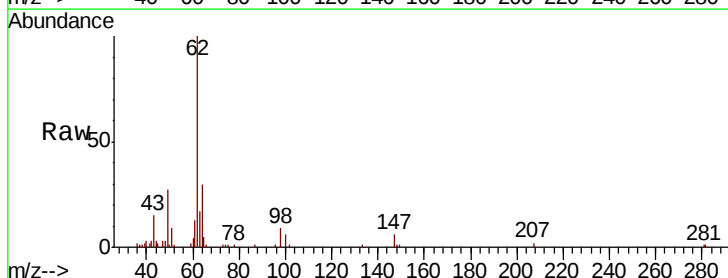
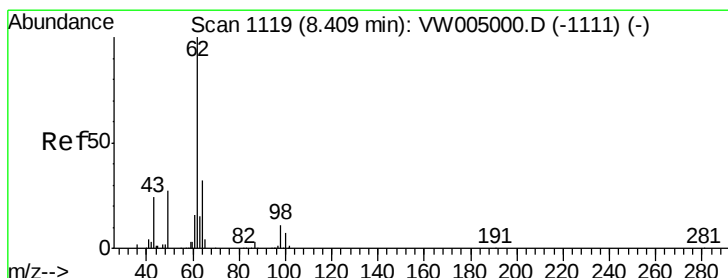
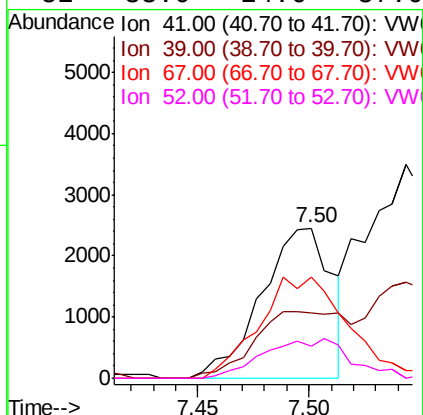
#41
Methacrylonitrile
Concen: 4.256 ug/l
RT: 7.50 min Scan# 970
Delta R.T. 0.01 min
Lab File: VW004997.D
Acq: 29 Aug 2018 12:11

Tot Ion	41	Resp	5391
Ion	Ratio	Lower	Upper
41	100		
39	58.4	42.0	63.0
67	84.9	63.4	95.2
52	33.0	24.6	37.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

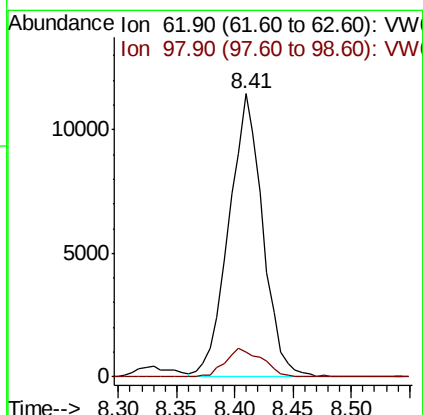
Manual Integrations
APPROVED

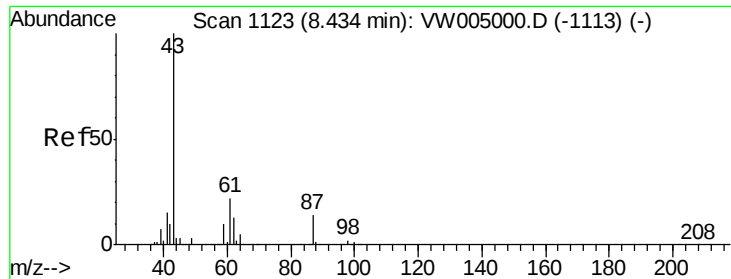
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#42
1,2-Dichloroethane
Concen: 5.395 ug/l
RT: 8.41 min Scan# 1119
Delta R.T. 0.00 min
Lab File: VW004997.D
Acq: 29 Aug 2018 12:11

Tgt Ion	62	Resp	23175
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	20.8





#43

Isopropyl Acetate

Concen: 4.720 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

Instrument :

MSVOA_W

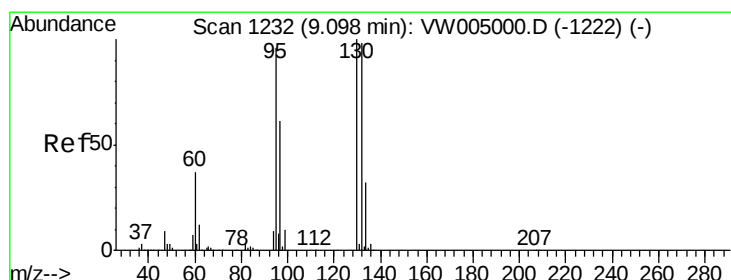
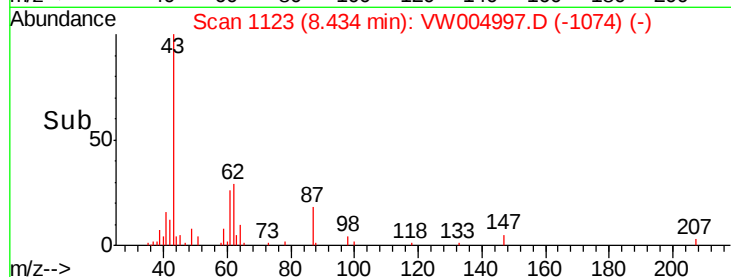
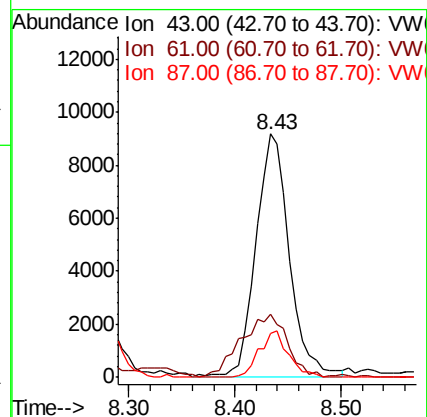
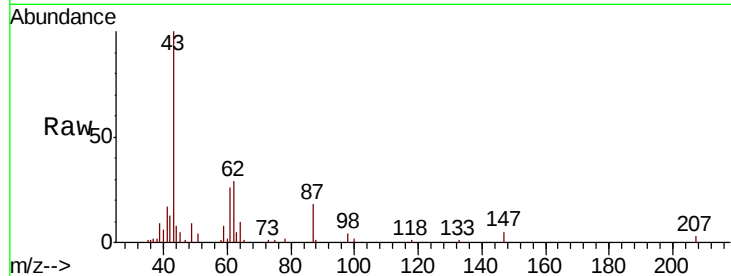
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	20417
Ion	Ratio	Lower	Upper
43	100		
61	35.5	26.2	39.4
87	16.5	11.8	17.6

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#44

Trichloroethene

Concen: 4.914 ug/l

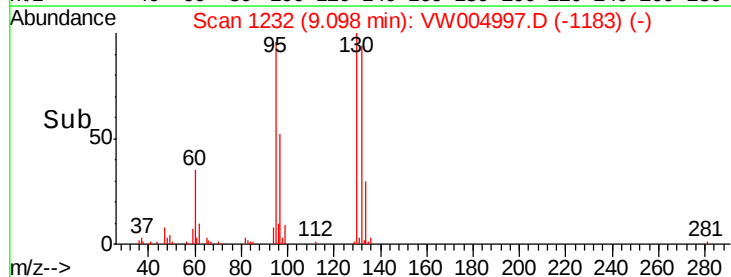
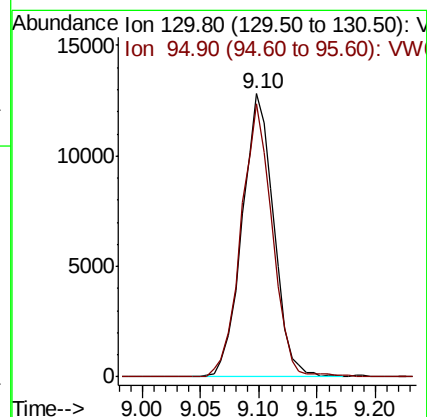
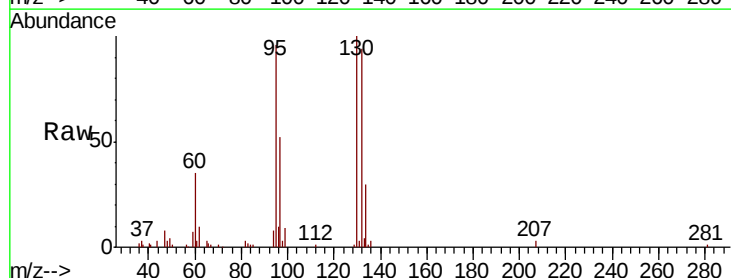
RT: 9.10 min Scan# 1232

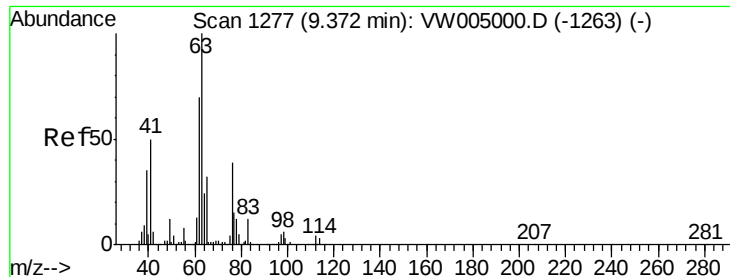
Delta R.T. 0.00 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

Tgt Ion:	130	Resp:	24230
Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	192.2





#45

1,2-Dichloropropane

Concen: 4.818 ug/l

RT: 9.38 min Scan# 1278

Delta R.T. 0.01 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 21279

Ion Ratio Lower Upper

63 100

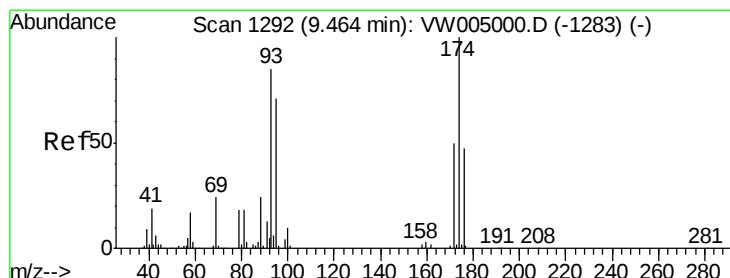
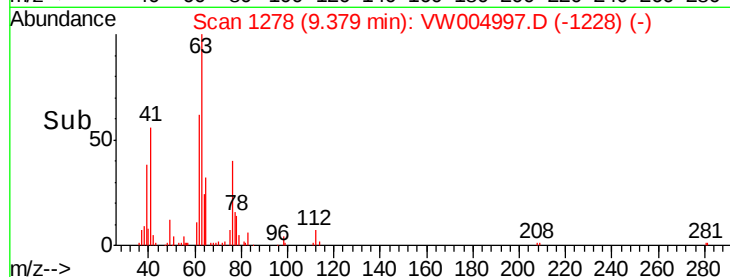
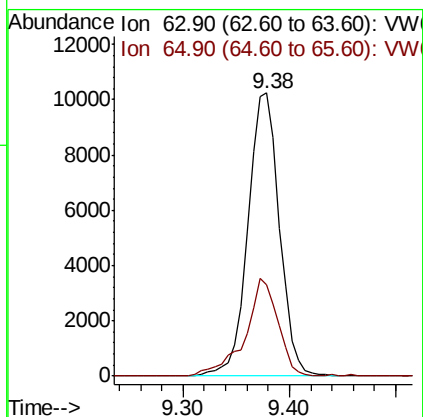
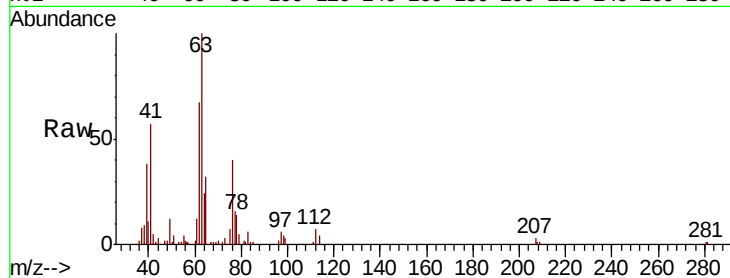
65 32.3 25.3 37.9

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#46

Dibromomethane

Concen: 5.300 ug/l

RT: 9.47 min Scan# 1293

Delta R.T. 0.01 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

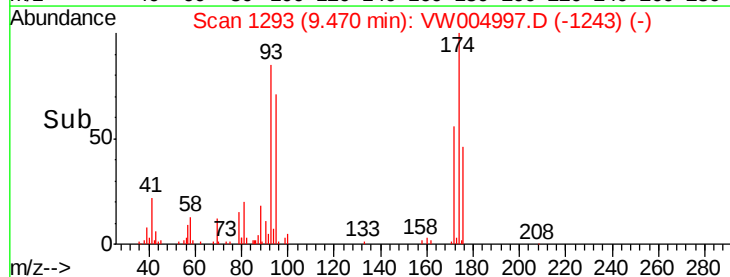
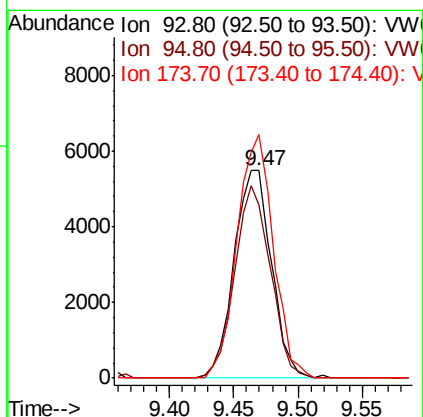
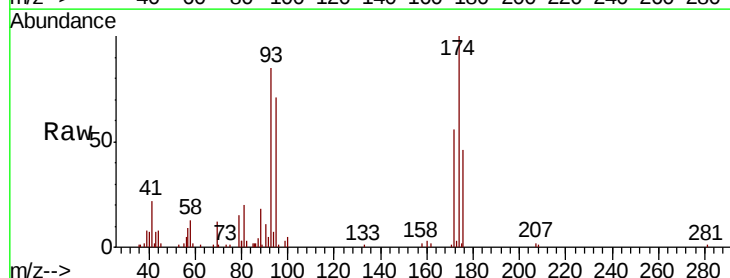
Tgt Ion: 93 Resp: 11079

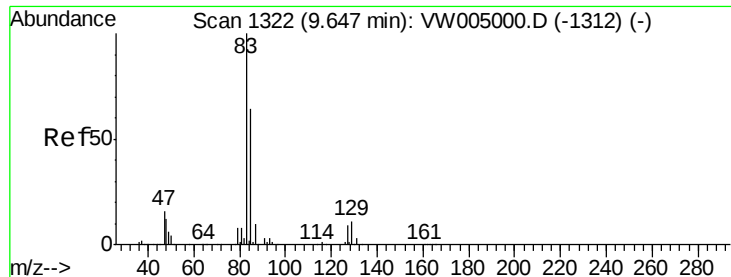
Ion Ratio Lower Upper

93 100

95 88.2 68.0 102.0

174 113.2 91.4 137.0





#47

Bromodichloromethane

Concen: 5.102 ug/l

RT: 9.65 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

Instrument :

MSVOA_W

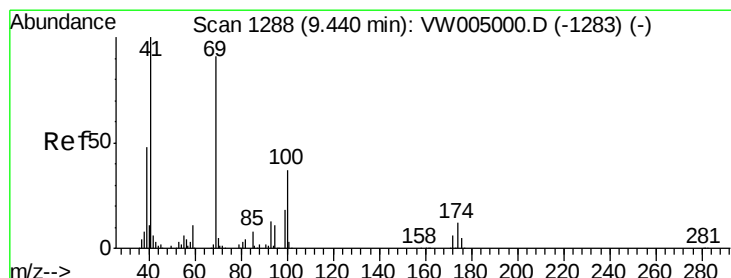
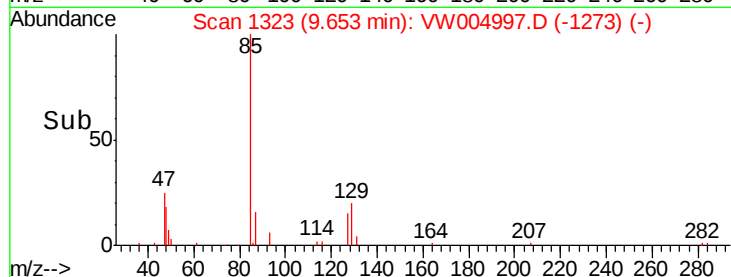
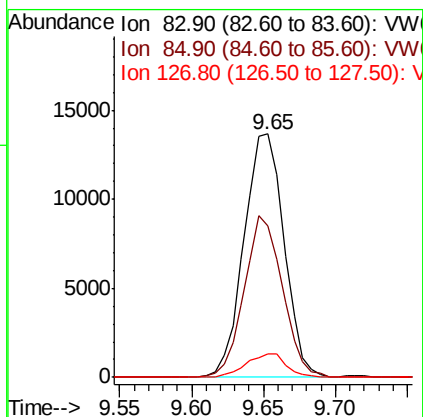
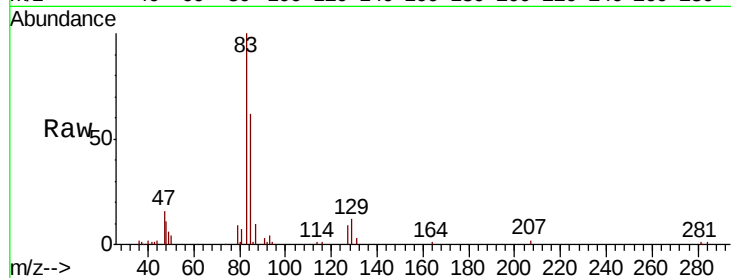
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	26354
Ion Ratio	Lower	Upper	
83	100		
85	62.3	51.3	76.9
127	9.5	7.2	10.8

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#48

Methyl methacrylate

Concen: 4.051 ug/l

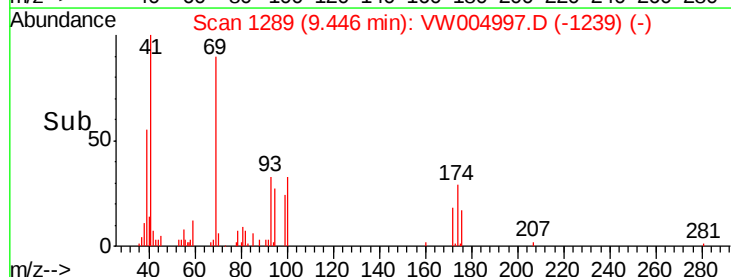
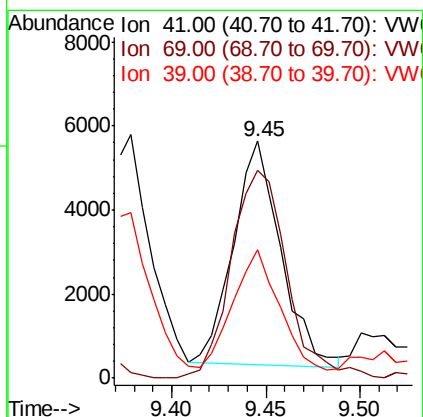
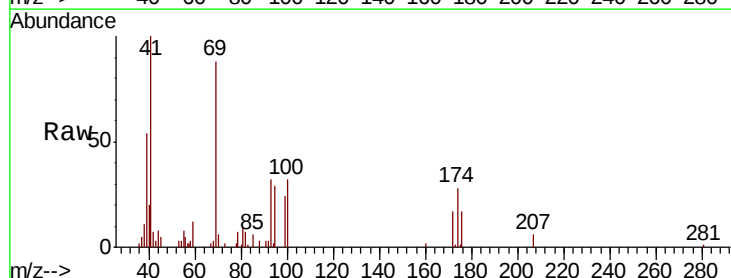
RT: 9.45 min Scan# 1289

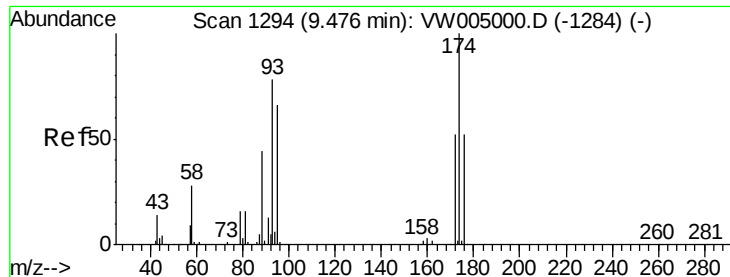
Delta R.T. 0.01 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

Tgt Ion:	41	Resp:	9303
Ion Ratio	Lower	Upper	
41	100		
69	109.3	72.5	108.7#
39	52.3	37.0	55.6





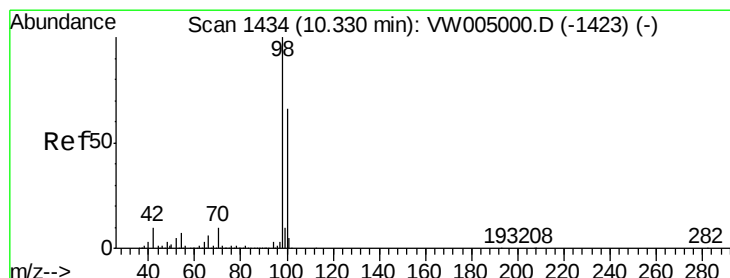
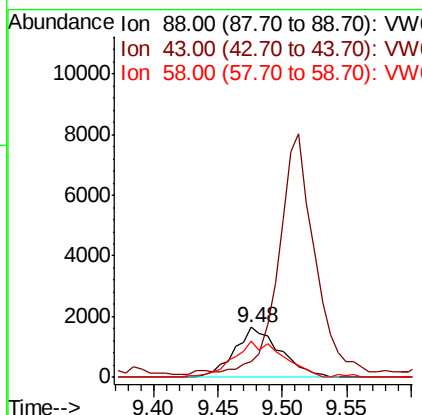
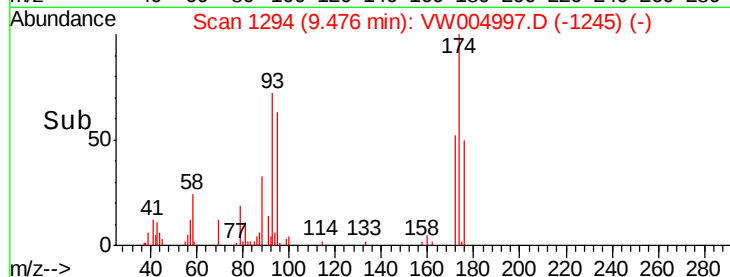
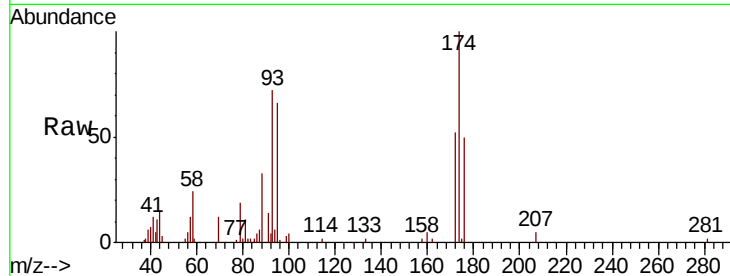
#49
 1,4-Dioxane
 Concen: 93.798 ug/l
 RT: 9.48 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VW004997.D
 Acq: 29 Aug 2018 12:11

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion	88	Resp	4069
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	79.5	57.0	85.4

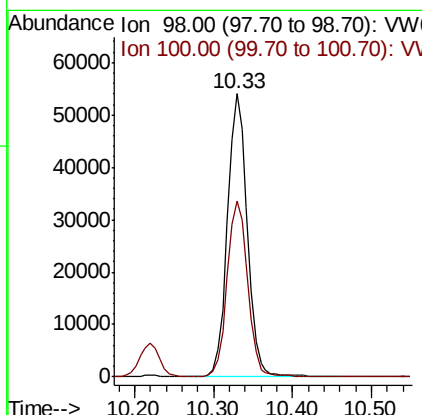
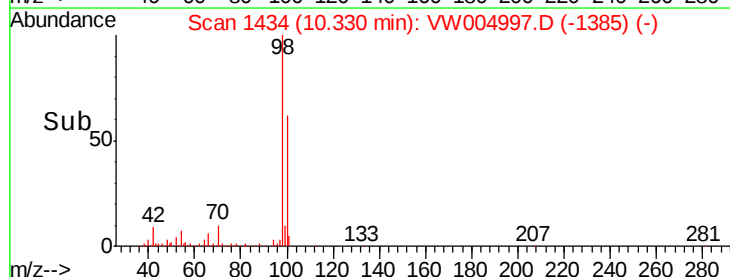
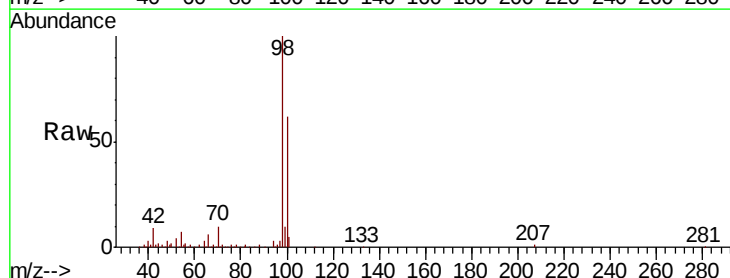
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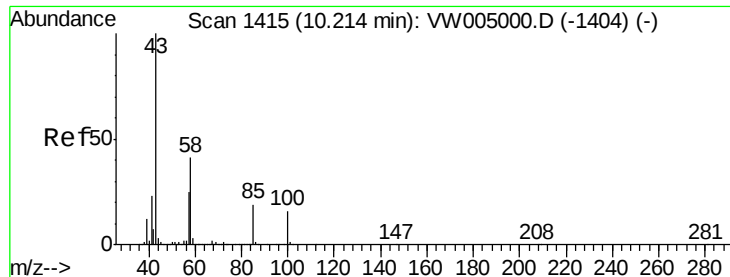
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#50
 Toluene-d8
 Concen: 4.888 ug/l
 RT: 10.33 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW004997.D
 Acq: 29 Aug 2018 12:11

Tgt Ion	98	Resp	94648
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.9	77.9





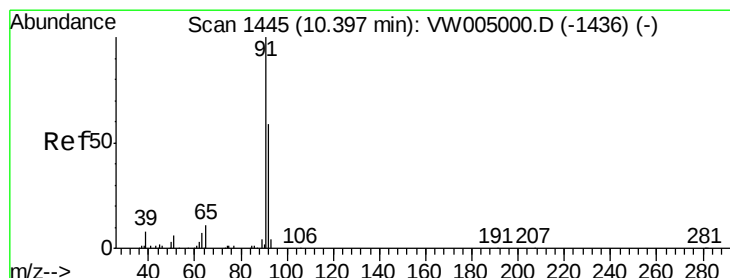
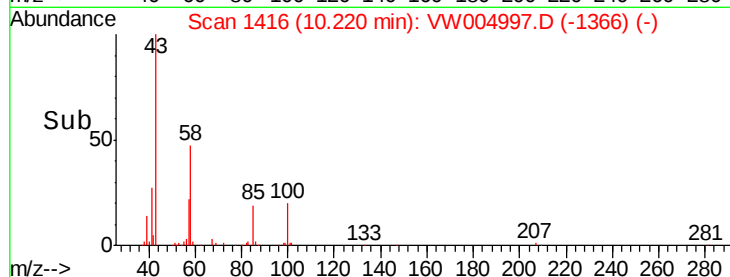
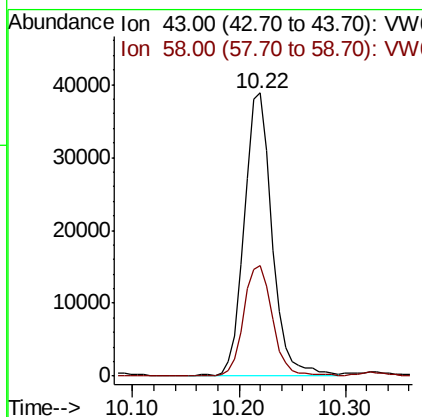
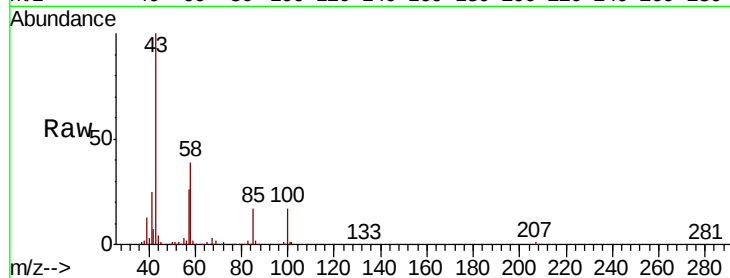
#51
 4-Methyl-2-Pentanone
 Concen: 22.186 ug/l
 RT: 10.22 min Scan# 1416
 Delta R.T. 0.01 min
 Lab File: VW004997.D
 Acq: 29 Aug 2018 12:11

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion: 43 Resp: 71874
 Ion Ratio Lower Upper
 43 100
 58 40.6 33.5 50.3

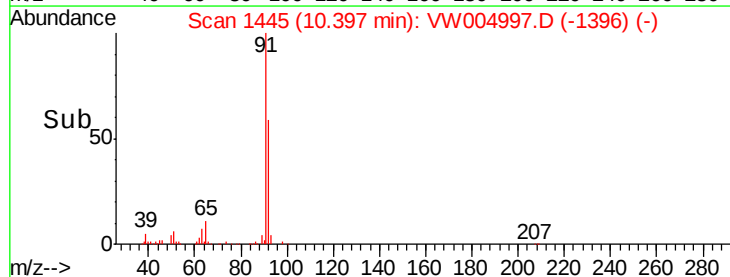
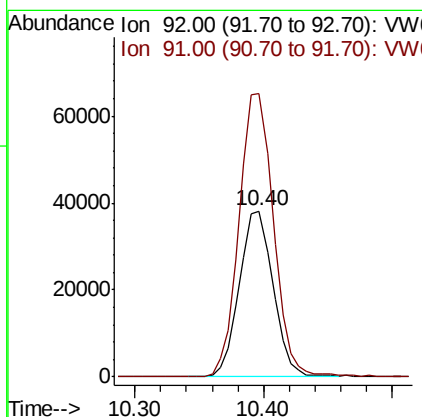
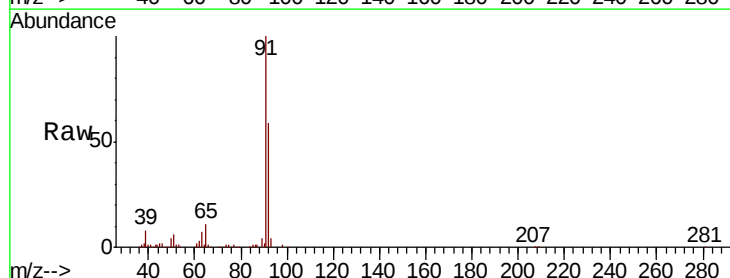
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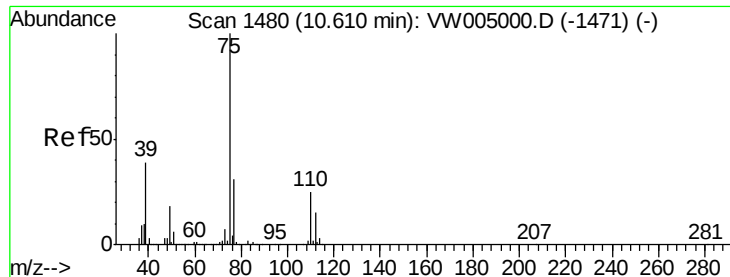
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#52
 Toluene
 Concen: 4.853 ug/l
 RT: 10.40 min Scan# 1445
 Delta R.T. -0.00 min
 Lab File: VW004997.D
 Acq: 29 Aug 2018 12:11

Tgt Ion: 92 Resp: 69510
 Ion Ratio Lower Upper
 92 100
 91 174.9 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 4.597 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 25360

Ion Ratio Lower Upper

75 100

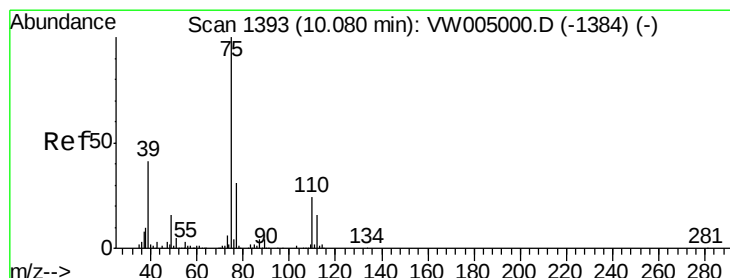
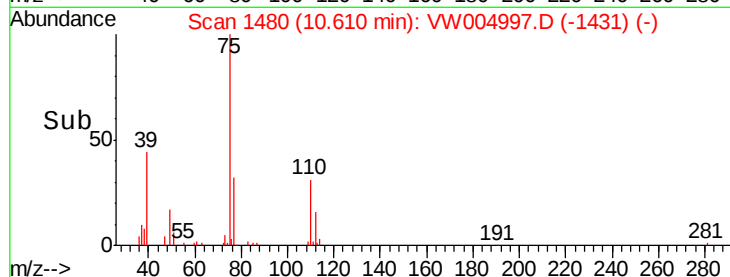
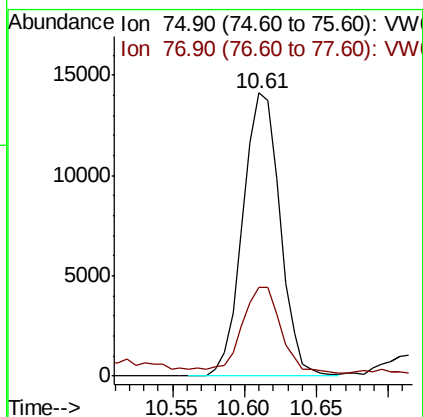
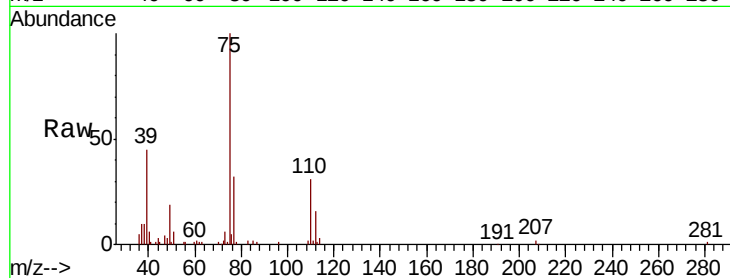
77 30.3 25.1 37.7

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#54

cis-1,3-Dichloropropene

Concen: 4.454 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

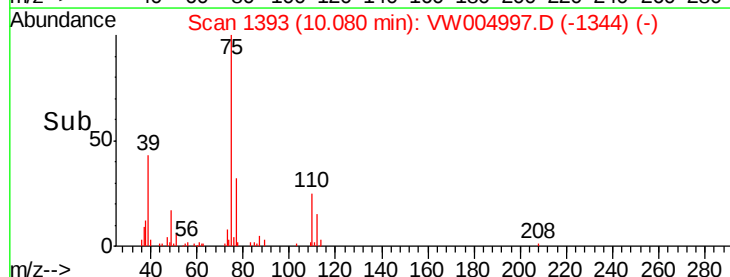
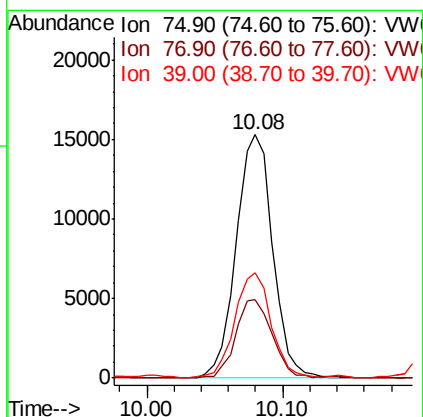
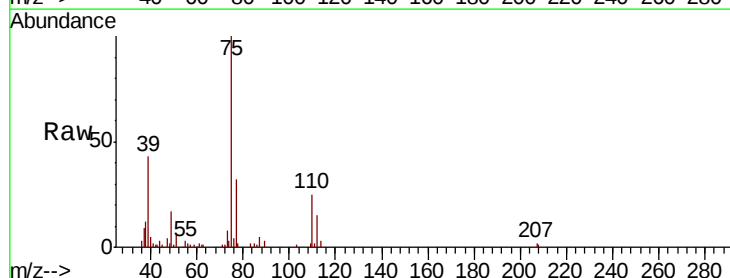
Tgt Ion: 75 Resp: 28649

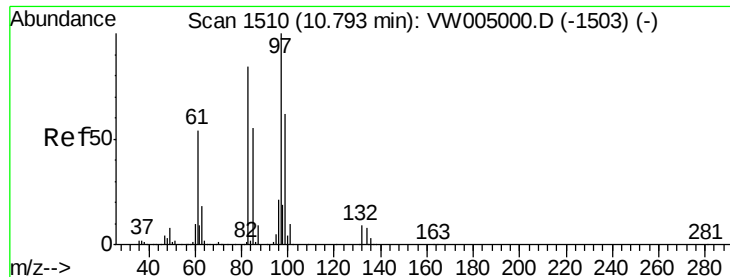
Ion Ratio Lower Upper

75 100

77 32.2 25.2 37.8

39 42.8 32.9 49.3





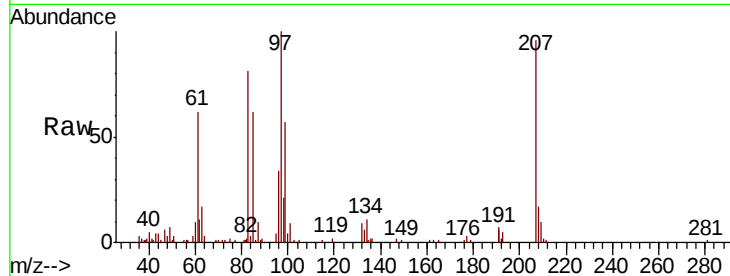
#55
 1,1,2-Trichloroethane
 Concen: 5.414 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004997.D
 Acq: 29 Aug 2018 12:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

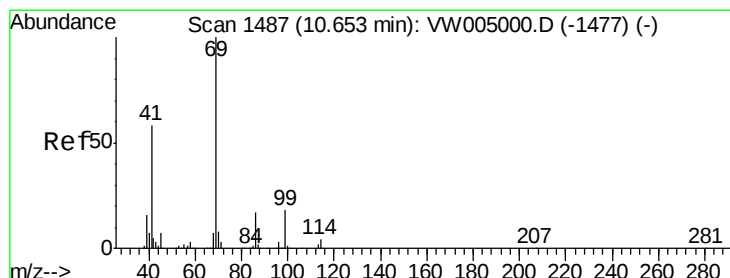
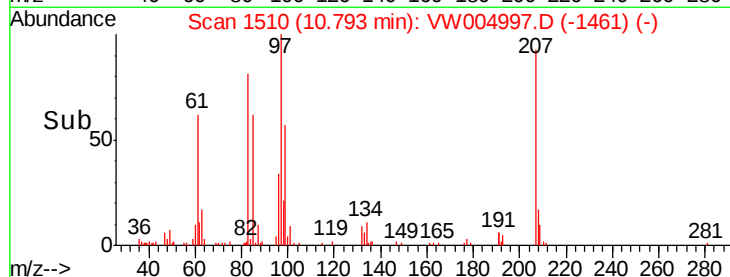
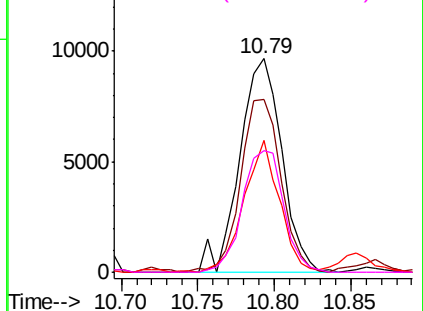
Tot Ion:	97	Resp:	18525
Ion	Ratio	Lower	Upper
97	100		
83	80.4	67.3	100.9
85	60.9	44.3	66.5
99	56.8	49.4	74.0

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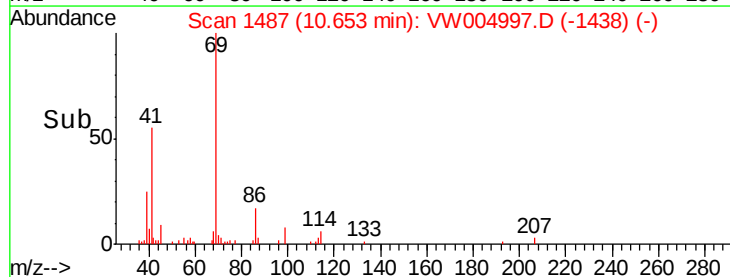
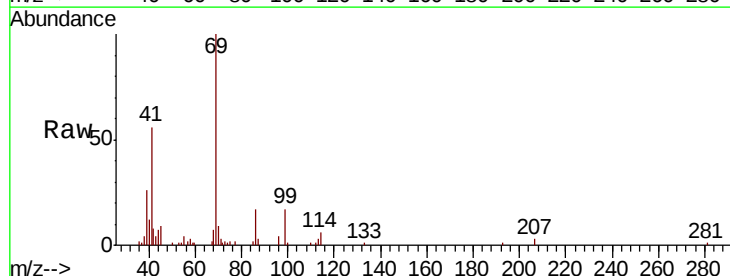
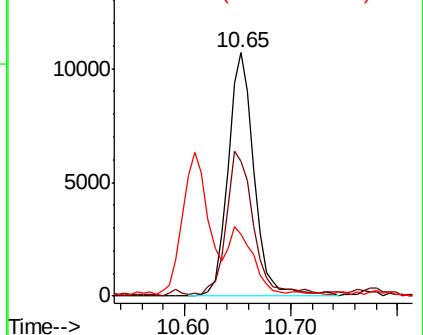
Abundance Ion 96.90 (96.60 to 97.60): VW
 15000 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

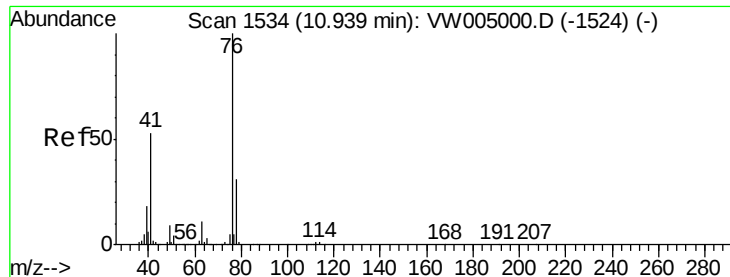


#56
 Ethyl methacrylate
 Concen: 4.093 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW004997.D
 Acq: 29 Aug 2018 12:11

Tgt Ion:	69	Resp:	18370
Ion	Ratio	Lower	Upper
69	100		
41	60.2	47.7	71.5
39	25.4	21.0	31.6

Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 4.770 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 26855

Ion Ratio Lower Upper

76 100

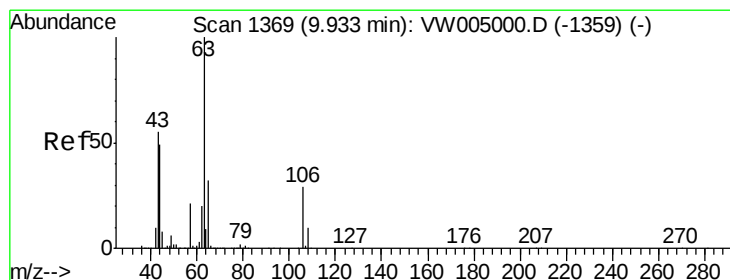
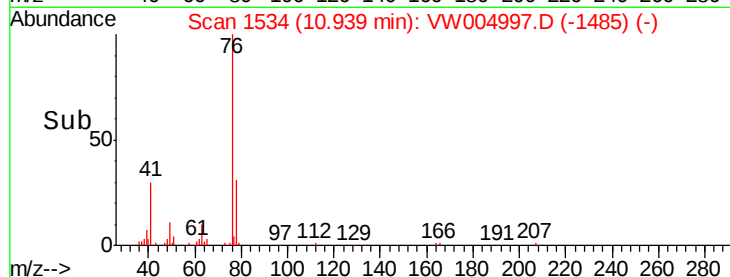
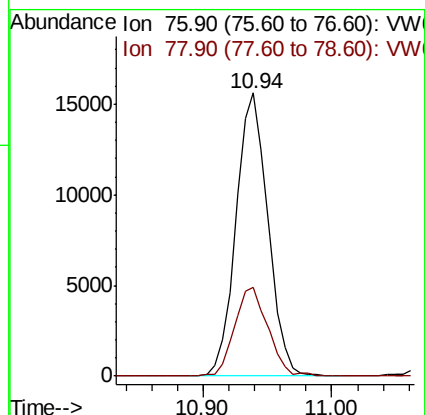
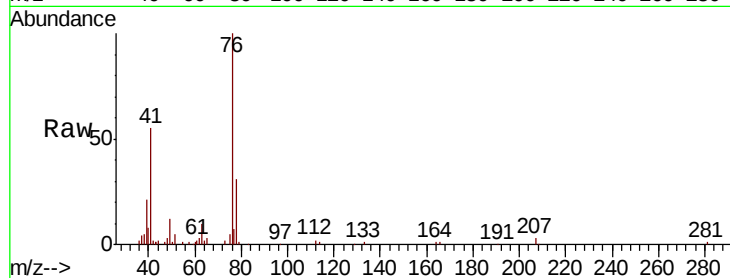
78 32.8 25.6 38.4

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#58

2-Chloroethyl Vinyl ether

Concen: 19.798 ug/l

RT: 9.93 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VW004997.D

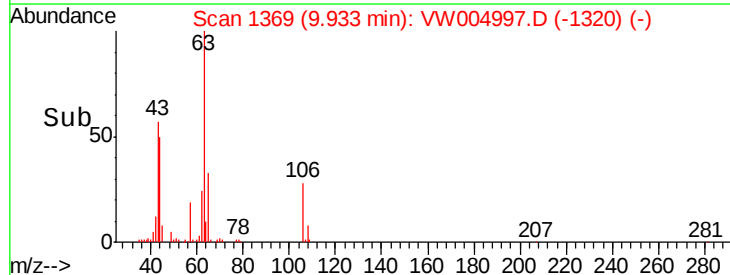
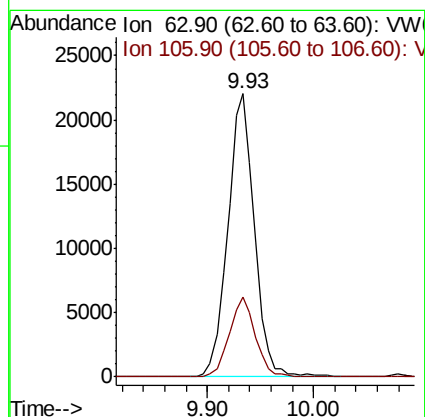
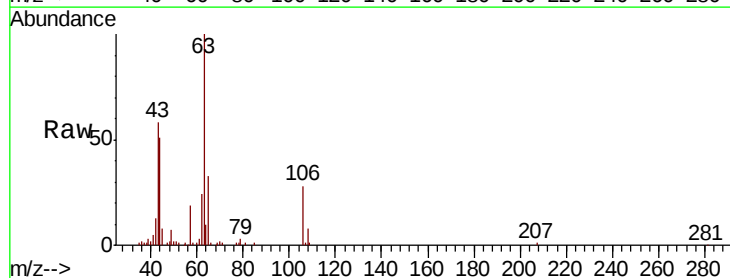
Acq: 29 Aug 2018 12:11

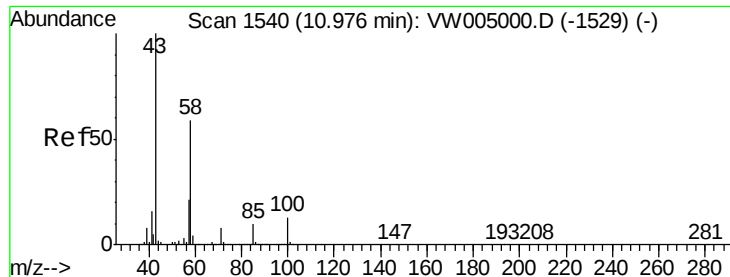
Tgt Ion: 63 Resp: 38281

Ion Ratio Lower Upper

63 100

106 27.7 23.2 34.8





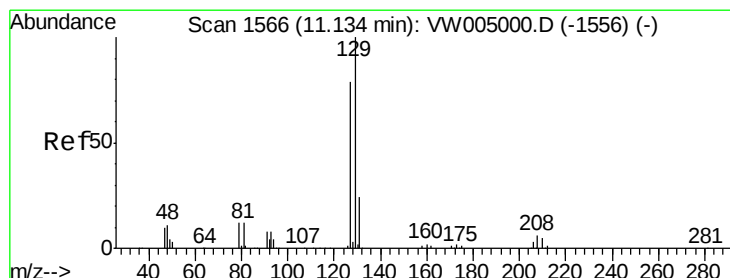
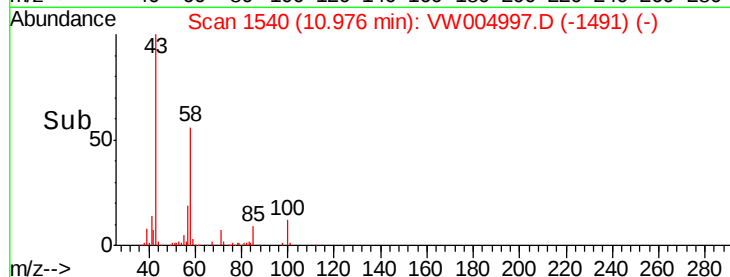
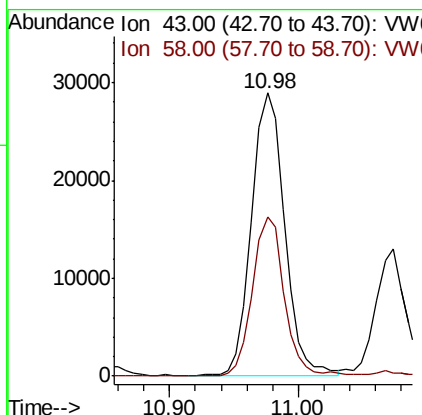
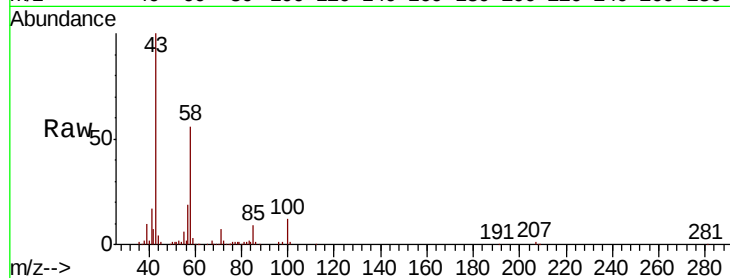
#59
2-Hexanone
Concen: 21.976 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004997.D
Acq: 29 Aug 2018 12:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 51546
Ion Ratio Lower Upper
43 100
58 53.9 29.2 87.6

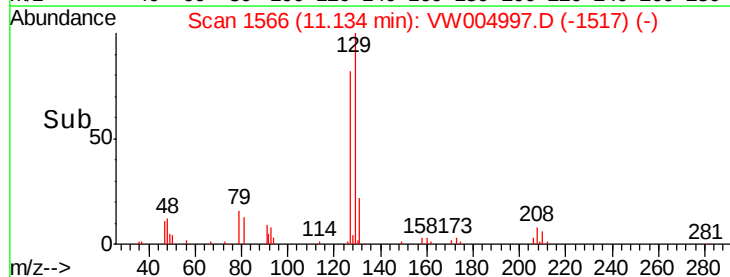
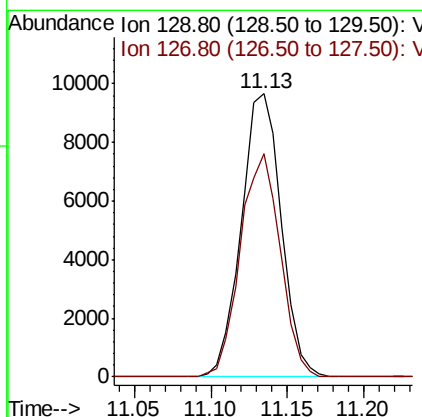
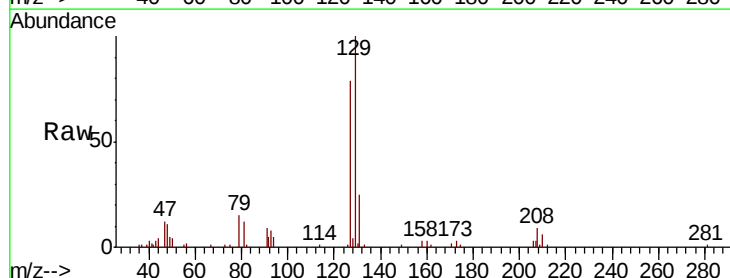
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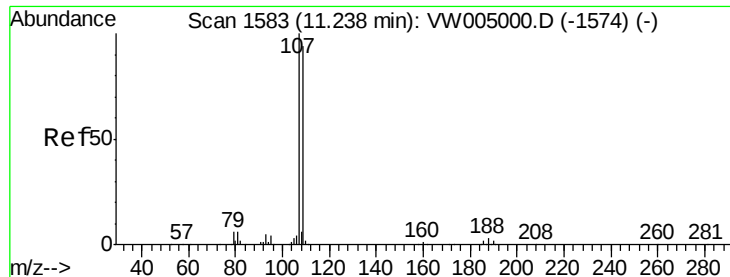
apatel
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#60
Dibromochloromethane
Concen: 4.669 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004997.D
Acq: 29 Aug 2018 12:11

Tgt Ion: 129 Resp: 17532
Ion Ratio Lower Upper
129 100
127 78.7 38.3 114.8





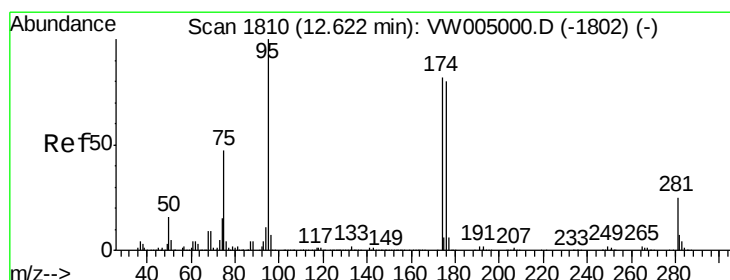
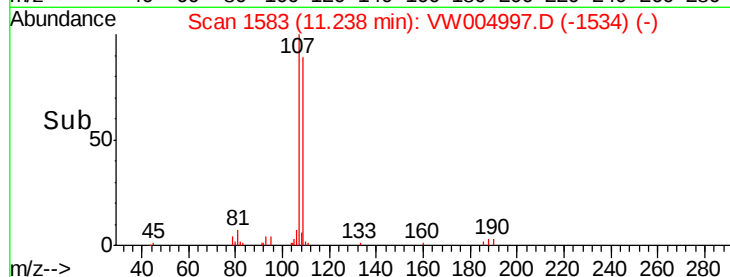
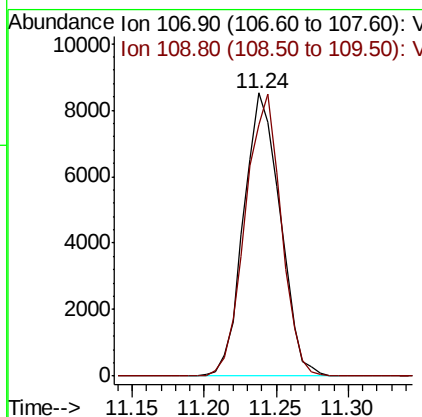
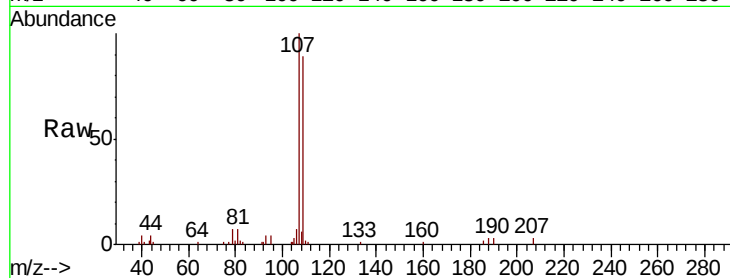
#61
 1,2-Dibromoethane
 Concen: 4.664 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW004997.D
 Acq: 29 Aug 2018 12:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.3	75.2	112.8

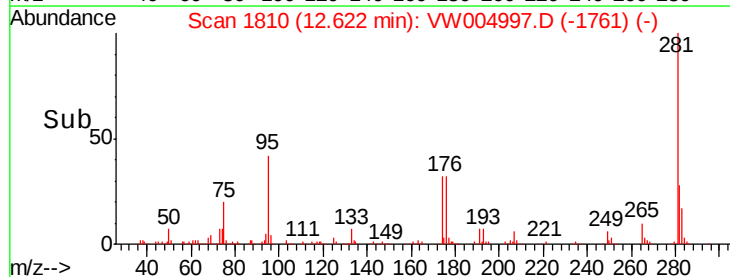
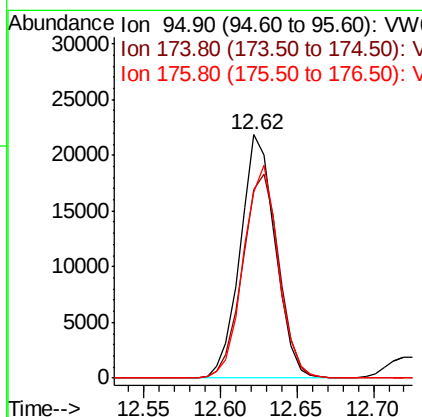
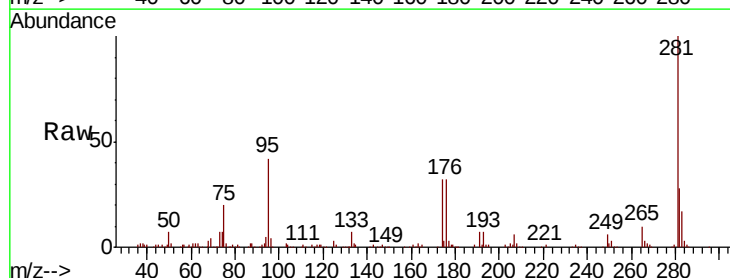
Manual Integrations
 APPROVED

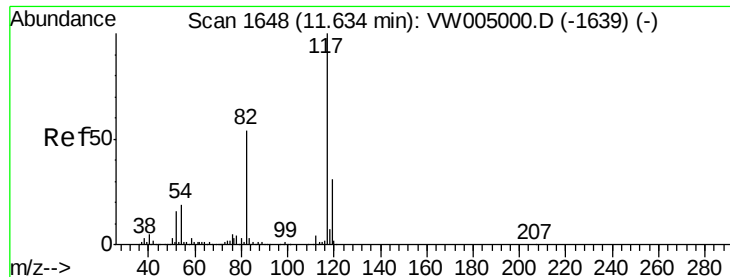
apatel
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#62
 4-Bromofluorobenzene
 Concen: 4.919 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW004997.D
 Acq: 29 Aug 2018 12:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.8	0.0	173.4
176	87.0	0.0	167.8





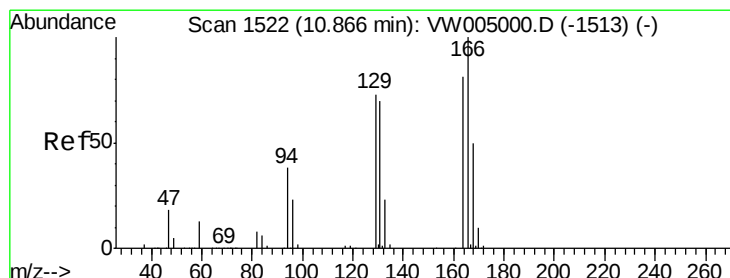
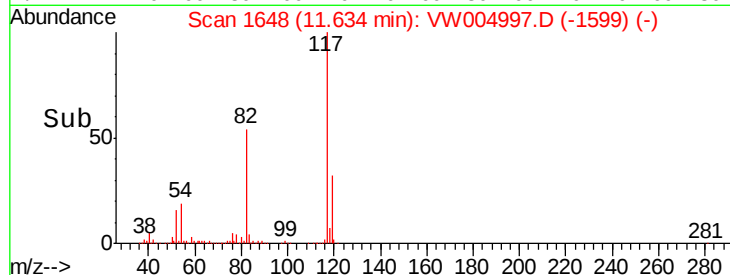
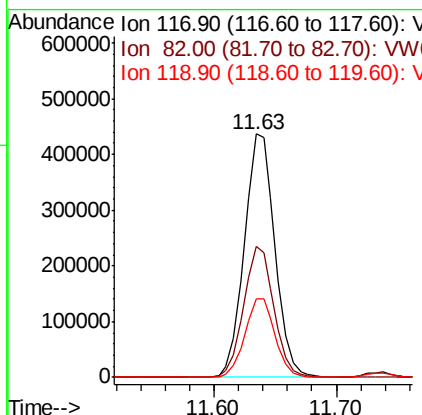
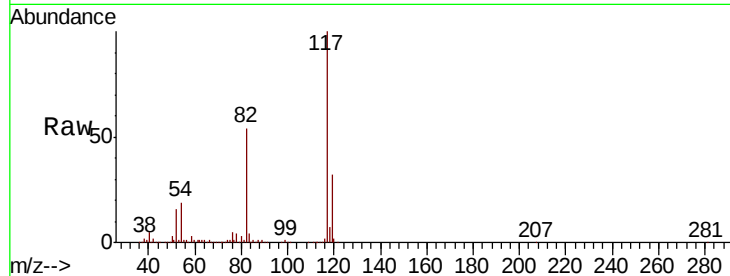
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004997.D
Acq: 29 Aug 2018 12:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:	117	Resp:	757860
Ion Ratio	Lower	Upper	
117	100		
82	53.9	43.3	64.9
119	32.4	25.0	37.6

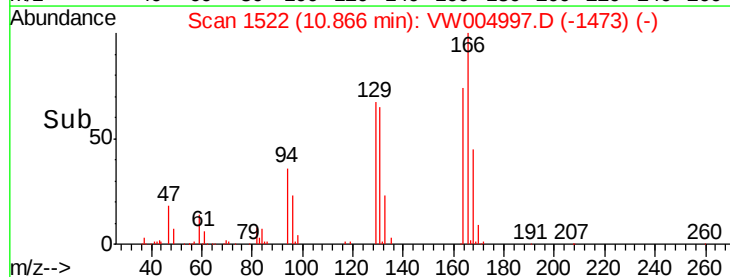
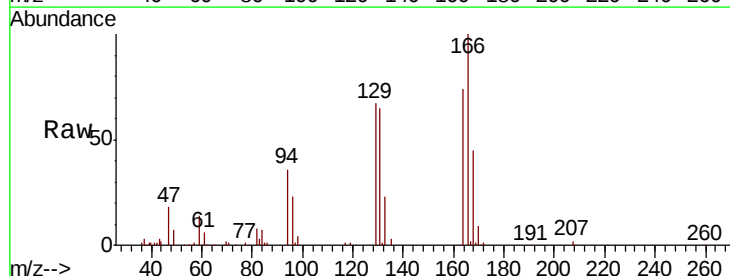
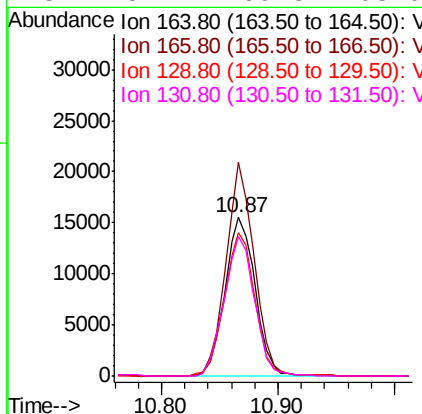
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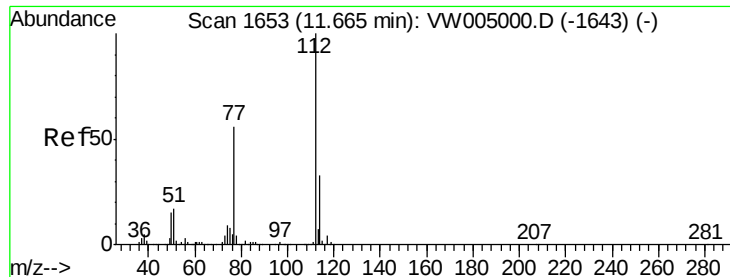
apatel
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#64
Tetrachloroethene
Concen: 5.052 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW004997.D
Acq: 29 Aug 2018 12:11

Tgt Ion:	164	Resp:	27915
Ion Ratio	Lower	Upper	
164	100		
166	134.7	99.4	149.0
129	90.1	72.2	108.2
131	87.7	69.3	103.9





#65

Chlorobenzene

Concen: 5.028 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 83716

Ion Ratio Lower Upper

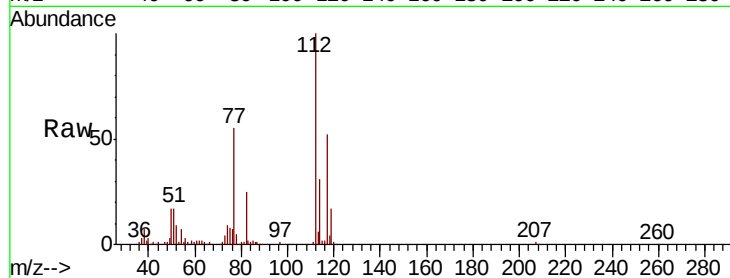
112 100

114 31.4 26.1 39.1

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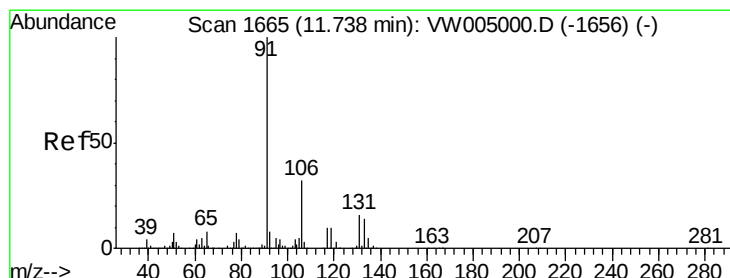
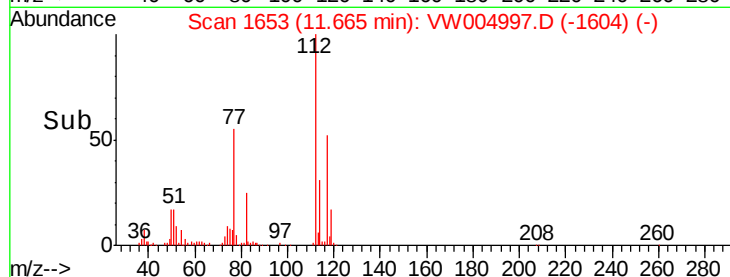
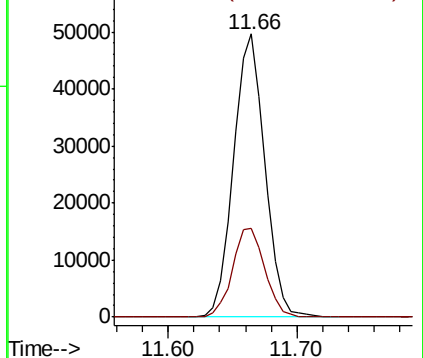
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.638 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

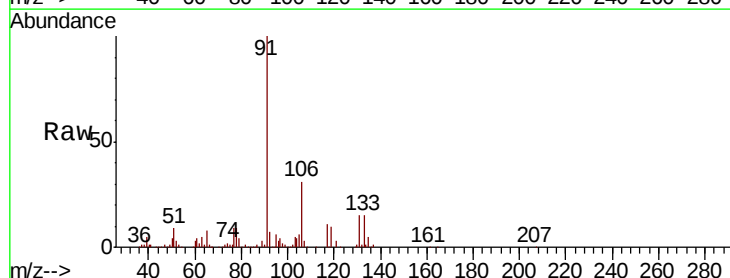
Tgt Ion:131 Resp: 21212

Ion Ratio Lower Upper

131 100

133 100.4 47.4 142.3

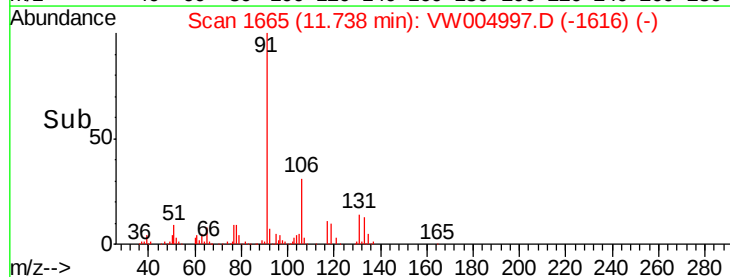
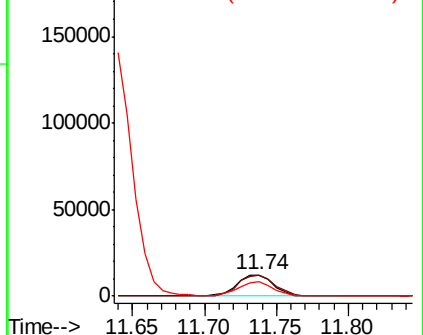
119 68.1 33.1 99.3

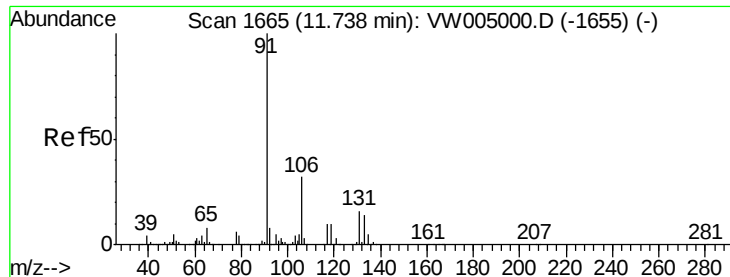


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 4.641 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 132306

Ion Ratio Lower Upper

91 100

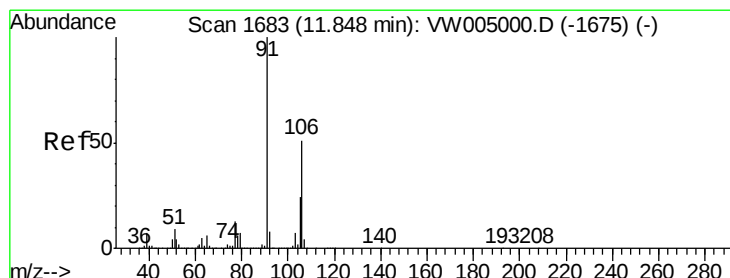
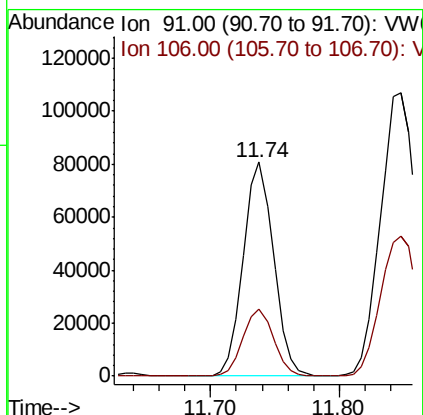
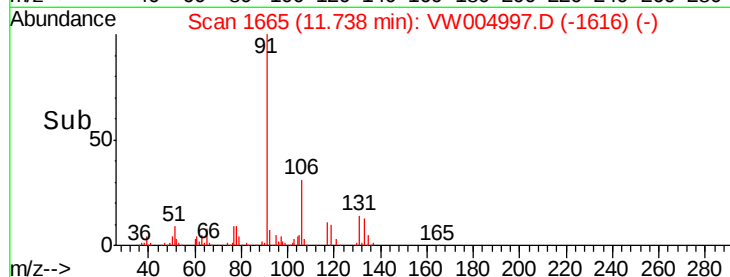
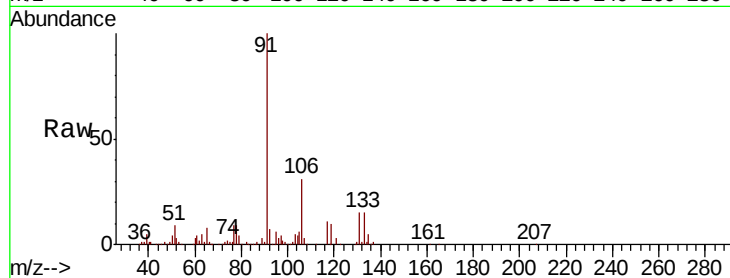
106 31.4 25.4 38.2

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#68

m/p-Xylenes

Concen: 9.091 ug/l

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW004997.D

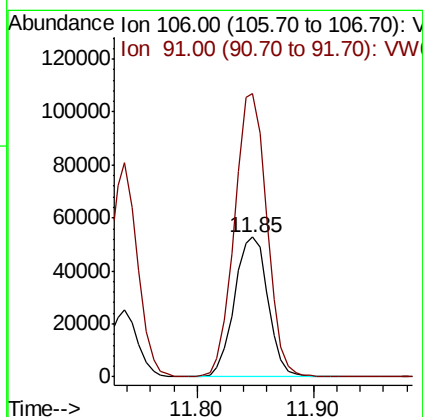
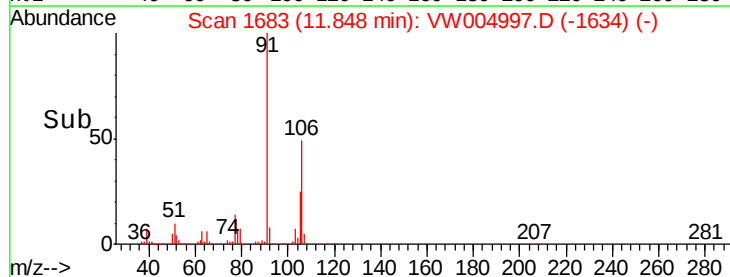
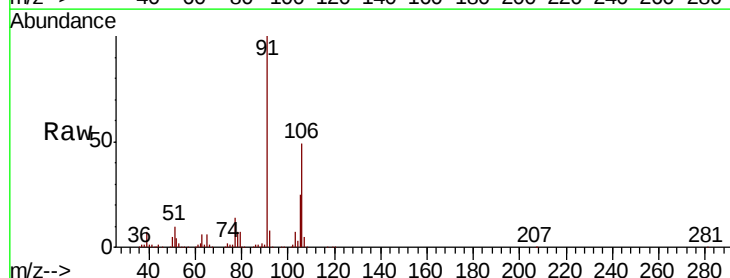
Acq: 29 Aug 2018 12:11

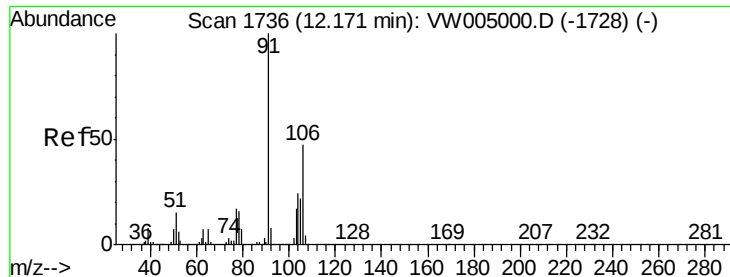
Tgt Ion: 106 Resp: 105718

Ion Ratio Lower Upper

106 100

91 196.0 158.4 237.6





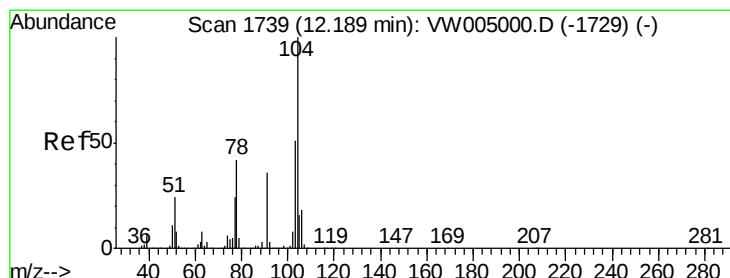
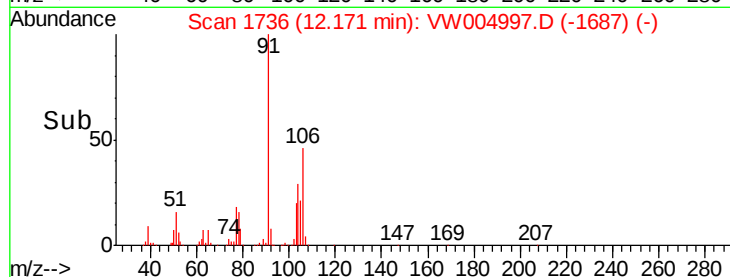
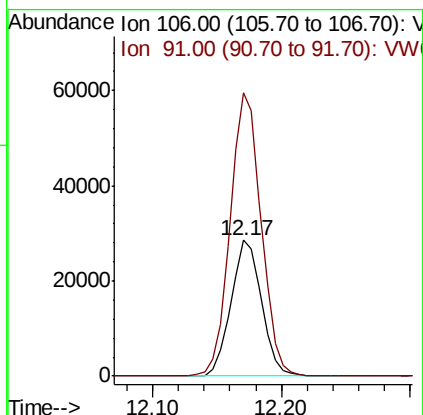
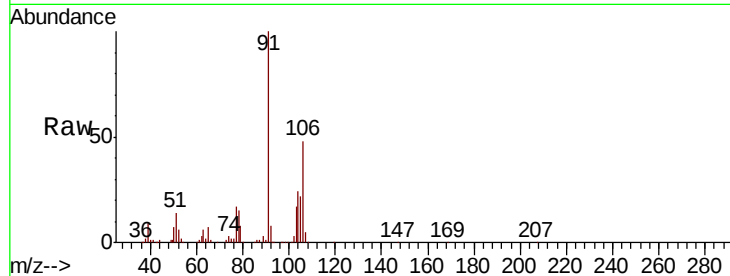
#69
o-Xylene
Concen: 4.437 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004997.D
Acq: 29 Aug 2018 12:11

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	211.8	104.4	313.1	

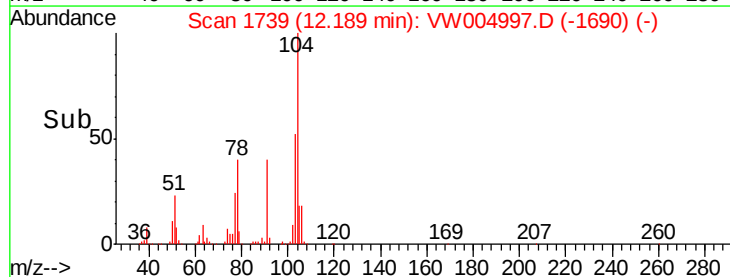
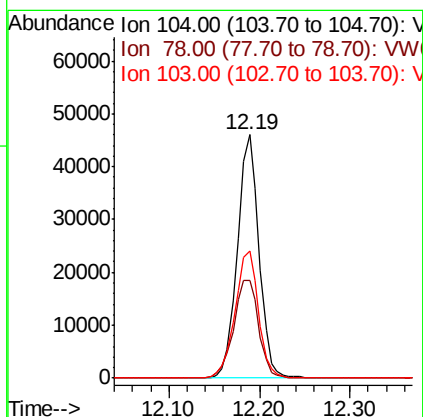
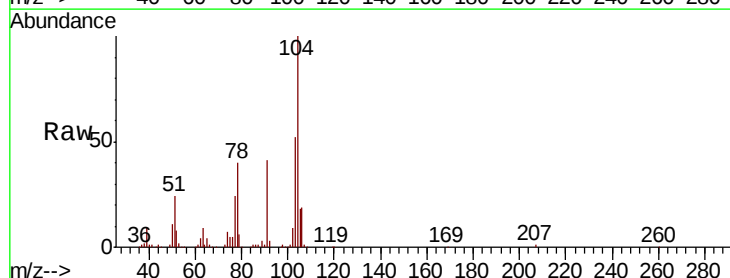
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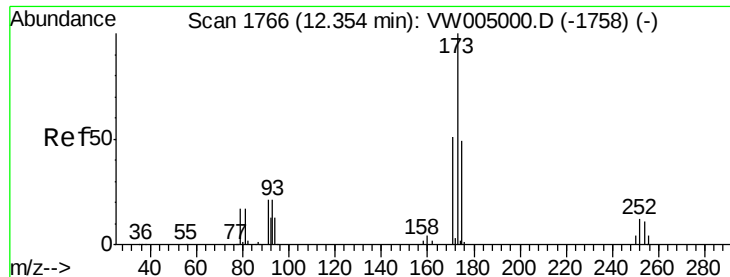
apatel
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#70
Styrene
Concen: 4.302 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW004997.D
Acq: 29 Aug 2018 12:11

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	46.9	37.6	56.4	
103	56.7	43.9	65.9	





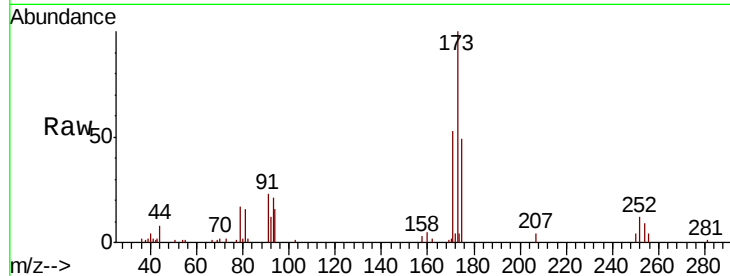
#71
Bromoform
Concen: 4.613 ug/l
RT: 12.35 min Scan# 1766
Delta R.T. -0.00 min
Lab File: VW004997.D
Acq: 29 Aug 2018 12:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

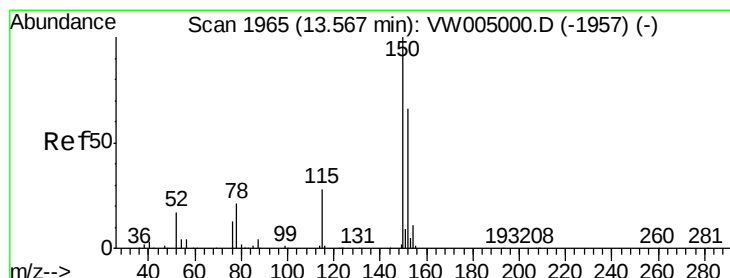
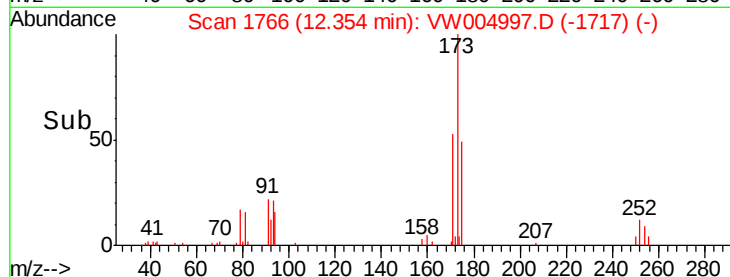
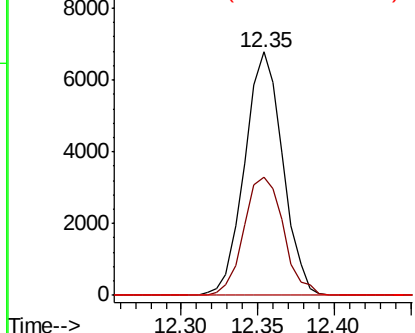
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.7	24.3	73.0
254	0.0	0.1	0.1#

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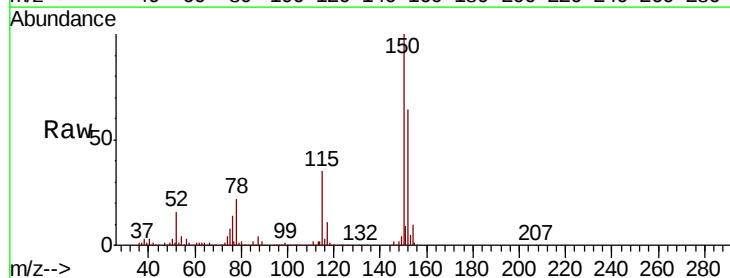


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

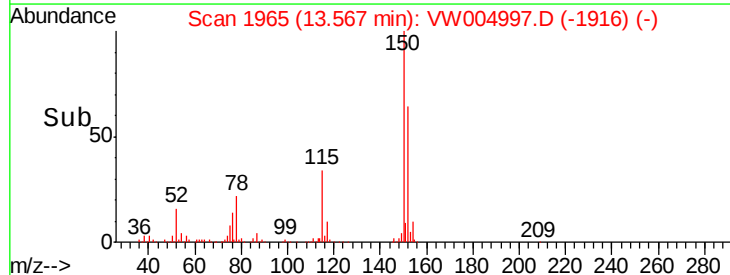
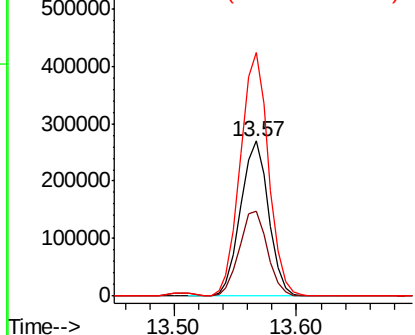


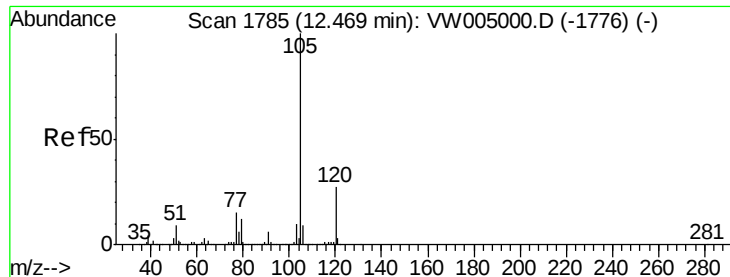
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW004997.D
Acq: 29 Aug 2018 12:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	28.0	83.9
150	158.6	0.0	347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.371 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 124204

Ion Ratio Lower Upper

105 100

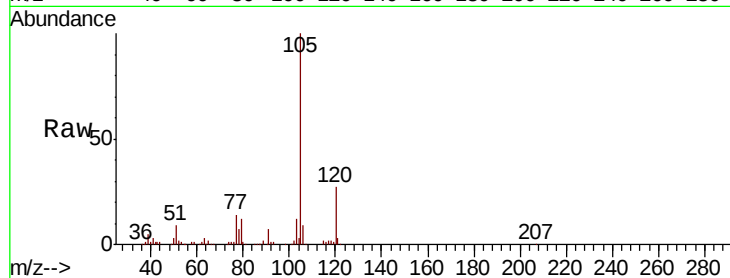
120 27.1 13.4 40.2

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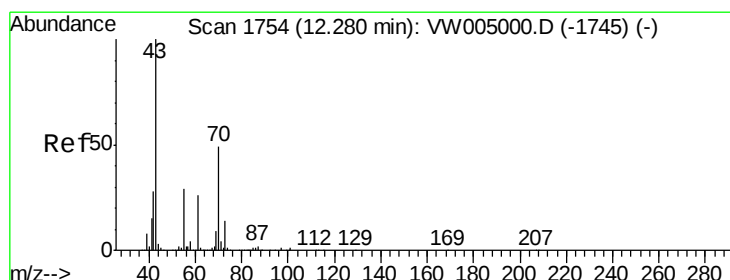
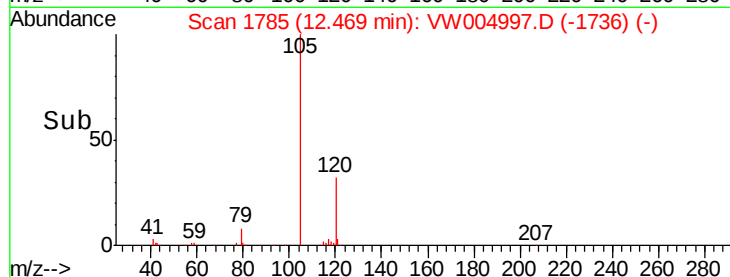
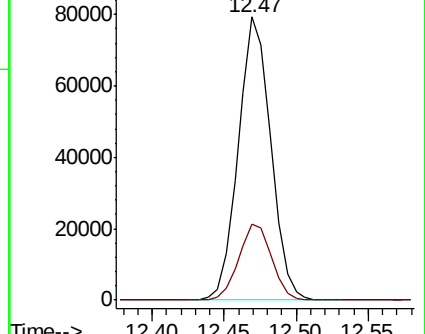
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.199 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

Tgt Ion: 43 Resp: 22516

Ion Ratio Lower Upper

43 100

70 43.9 38.6 57.8

55 32.1 23.6 35.4

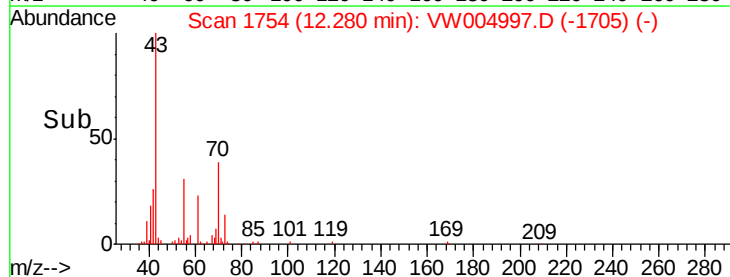
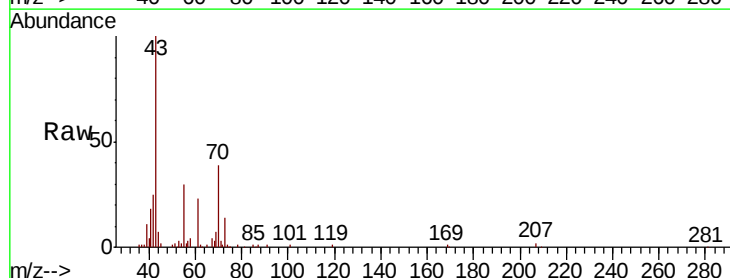
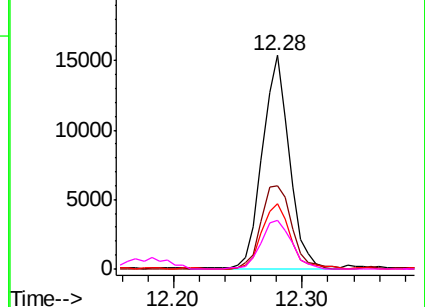
61 25.4 21.0 31.6

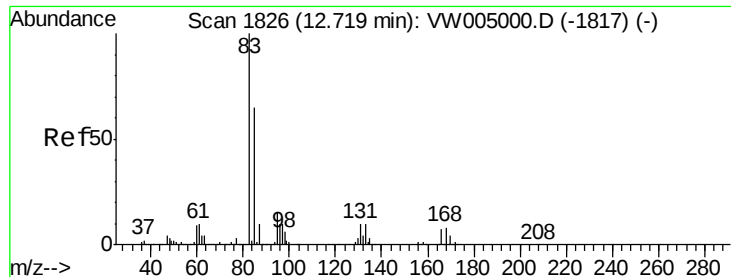
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 4.793 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

Instrument :

MSVOA_W

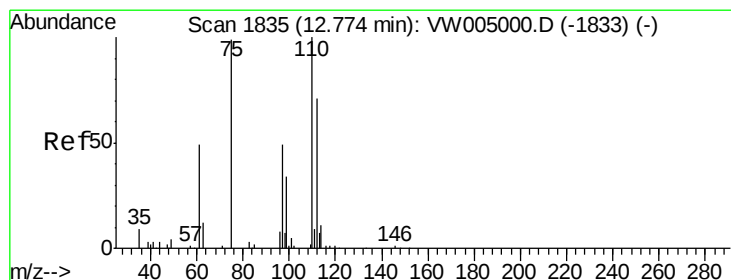
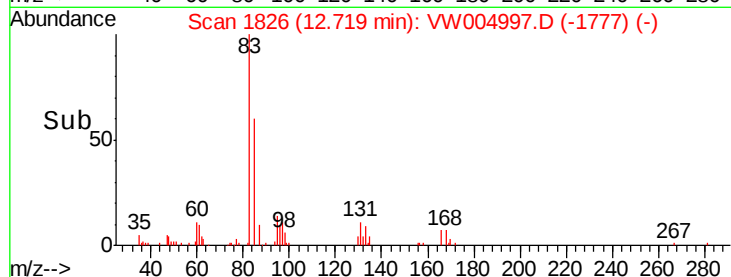
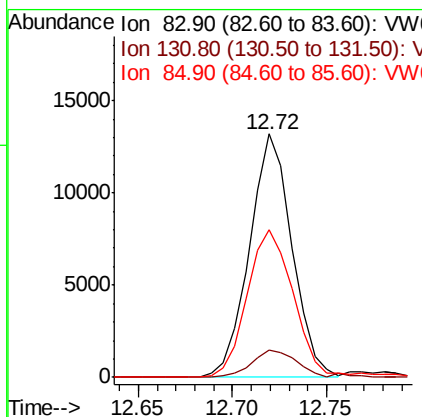
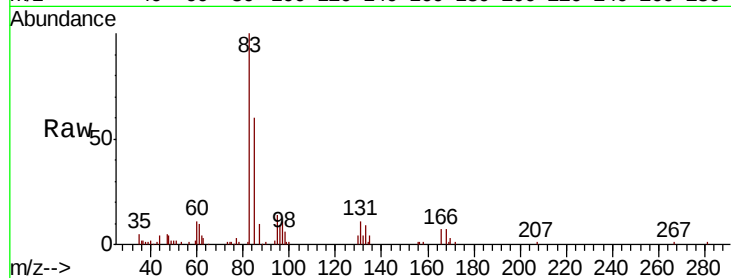
ClientSampled :

VSTDIC005

Tot Ion:	83	Resp:	20618
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.5	16.5
85	65.5	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 2.684 ug/l m

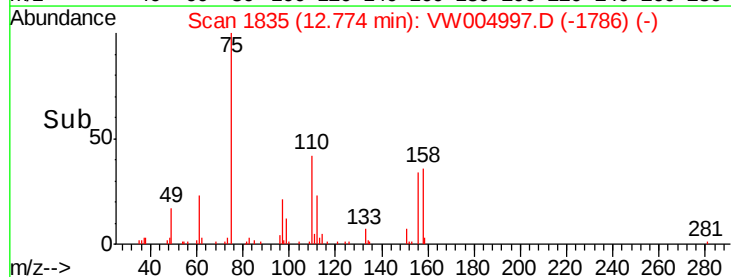
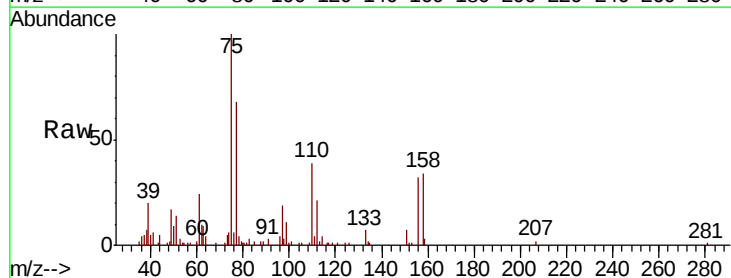
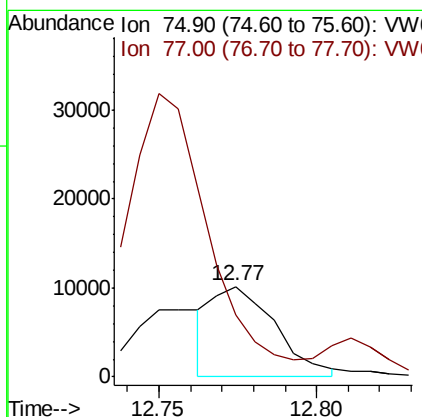
RT: 12.77 min Scan# 1835

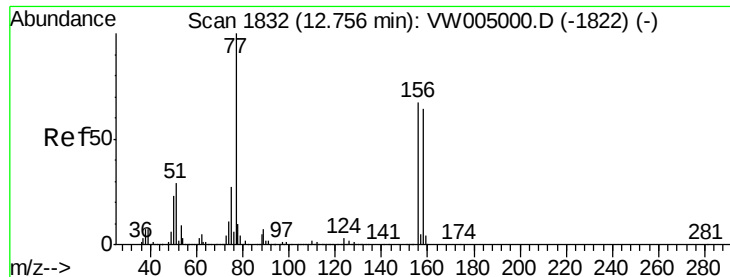
Delta R.T. 0.00 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

Tgt Ion:	75	Resp:	14278
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 4.891 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

Instrument :

MSVOA_W

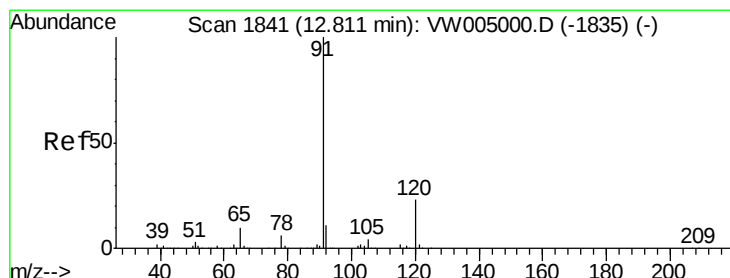
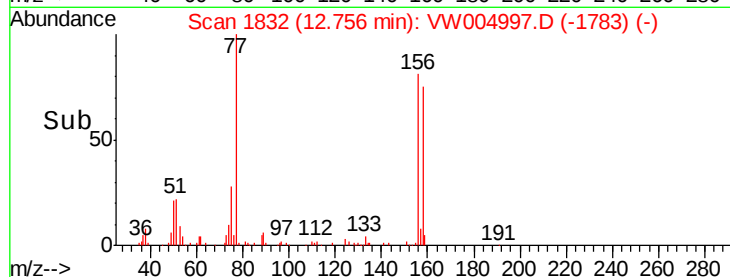
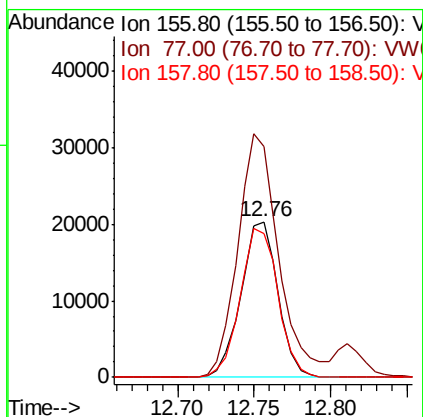
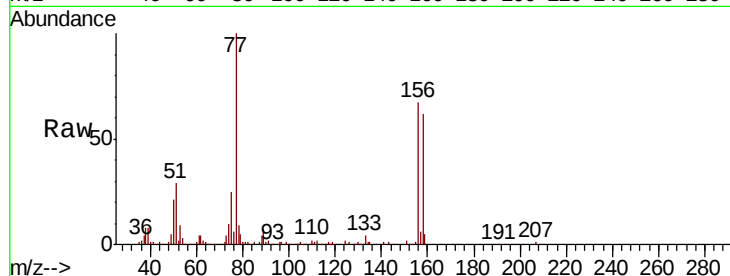
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	34095
Ion Ratio	Lower	Upper	
156	100		
77	172.0	86.9	260.6
158	97.8	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 4.482 ug/l

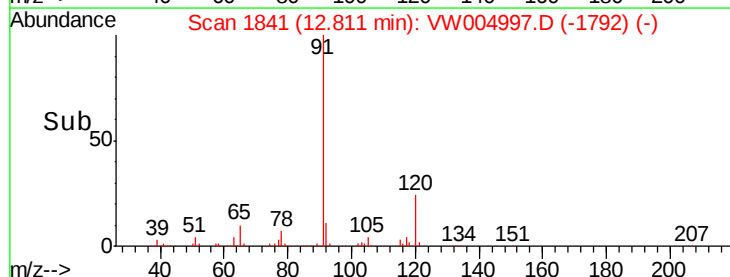
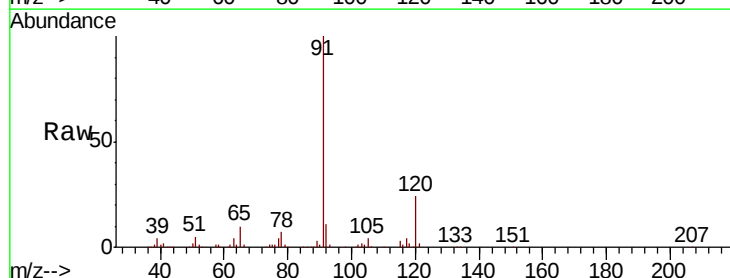
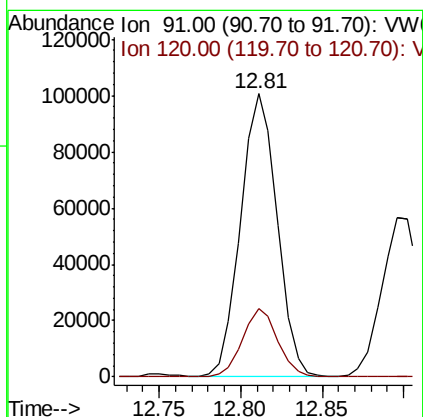
RT: 12.81 min Scan# 1841

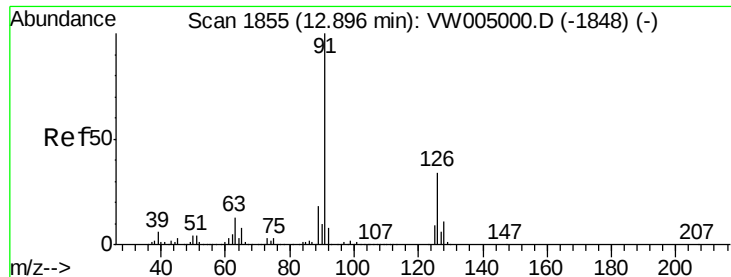
Delta R.T. -0.00 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

Tgt Ion:	91	Resp:	157066
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.7	35.1





#79

2-Chlorotoluene

Concen: 4.699 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 95108

Ion Ratio Lower Upper

91 100

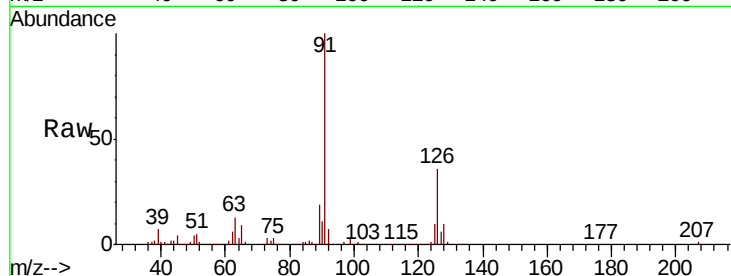
126 34.7 17.3 52.0

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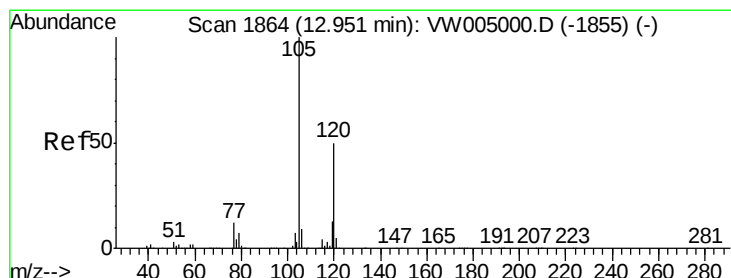
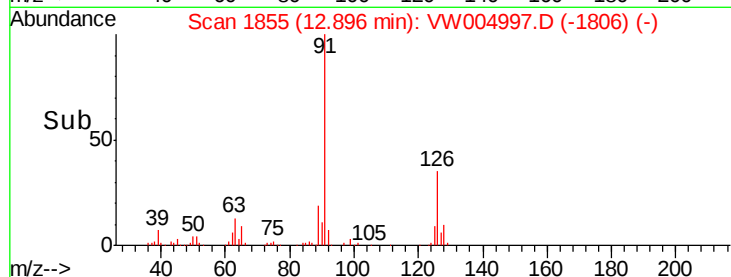
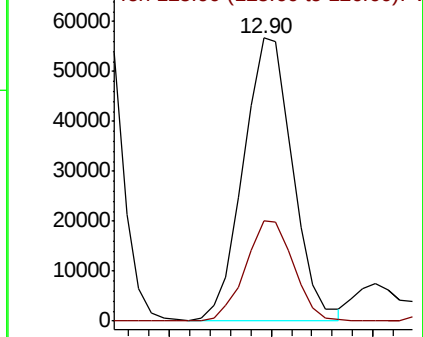
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 4.329 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW004997.D

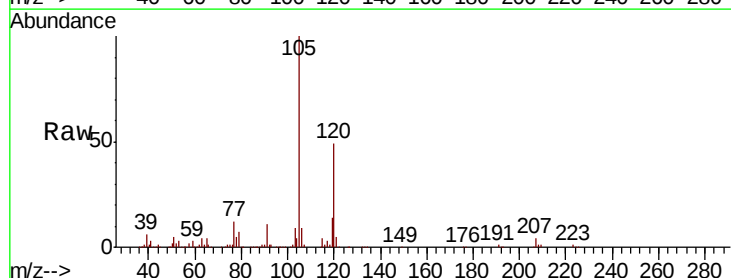
Acq: 29 Aug 2018 12:11

Tgt Ion:105 Resp: 108668

Ion Ratio Lower Upper

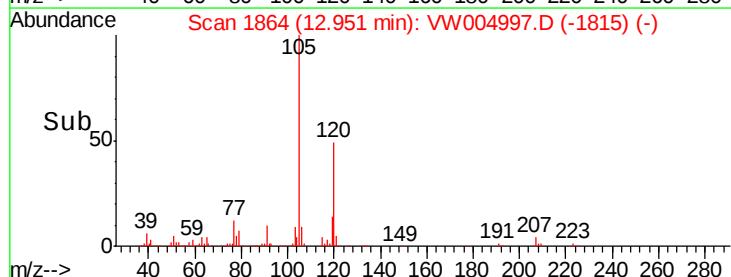
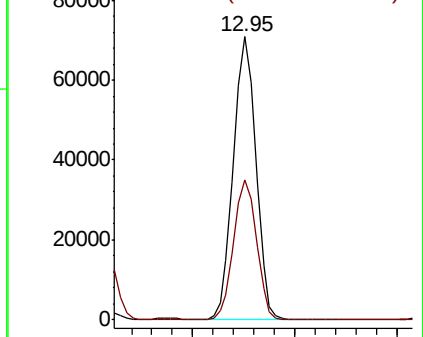
105 100

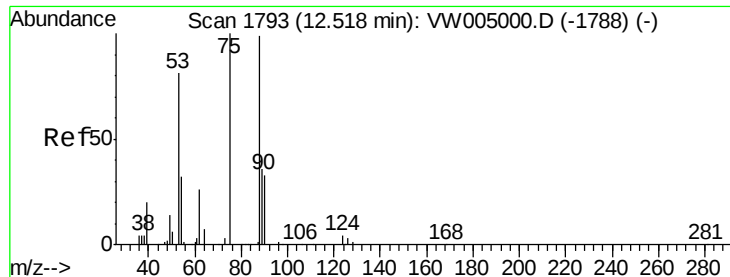
120 50.0 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 4.299 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

Instrument :

MSVOA_W

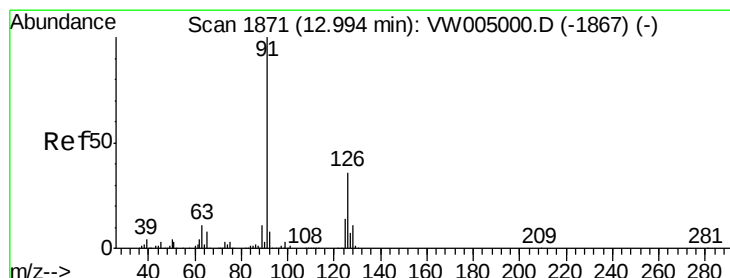
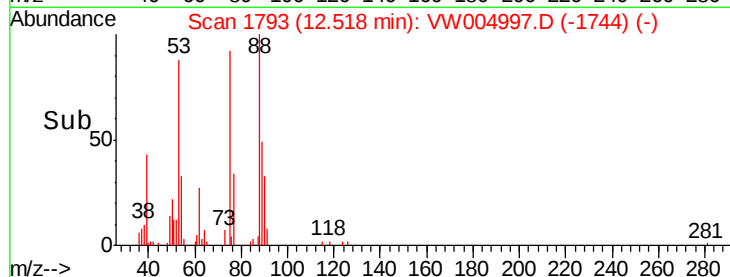
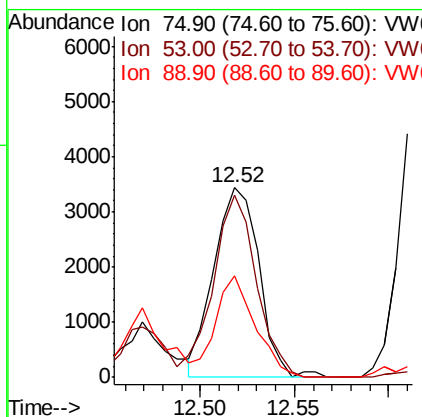
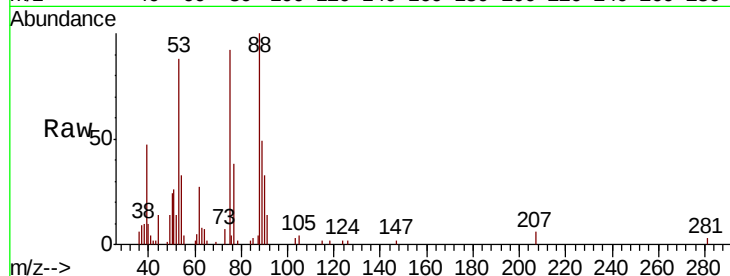
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	5742
Ion	Ratio	Lower	Upper
75	100		
53	92.1	67.4	101.2
89	47.5	35.0	52.6

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#82

4-Chlorotoluene

Concen: 4.678 ug/l

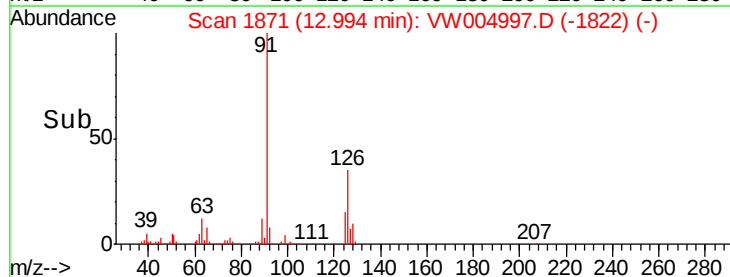
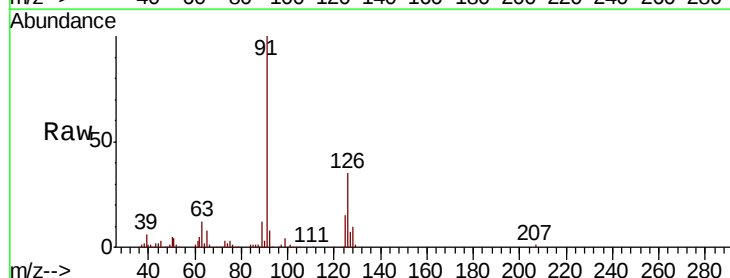
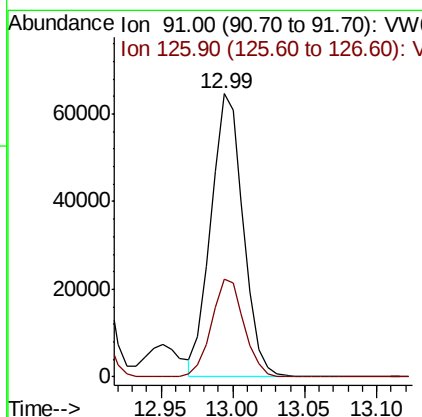
RT: 12.99 min Scan# 1871

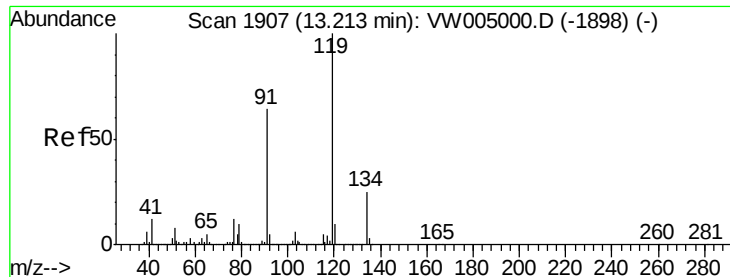
Delta R.T. -0.00 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

Tgt Ion:	91	Resp:	100890
Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.5	52.5





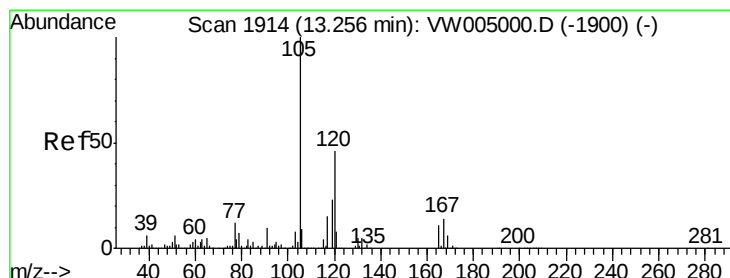
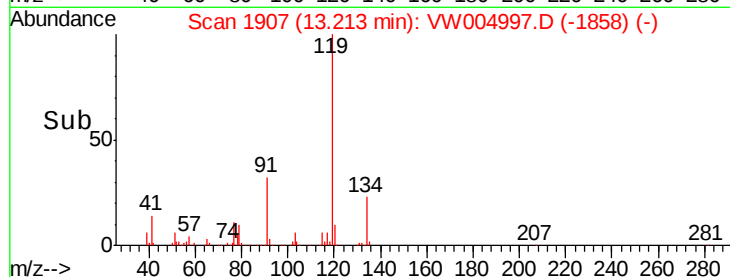
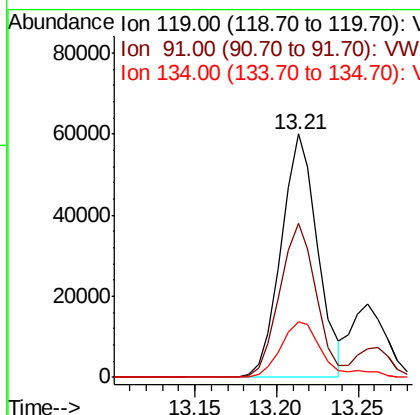
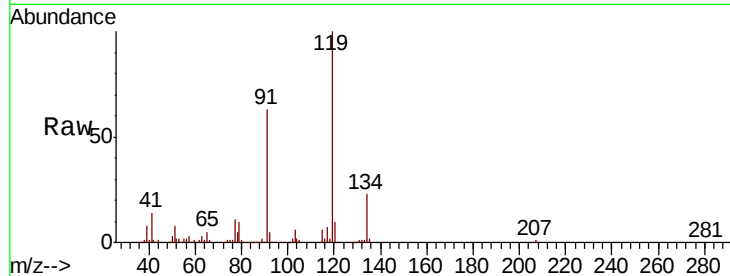
#83
tert-Butylbenzene
Concen: 4.416 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VW004997.D
Acq: 29 Aug 2018 12:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.9	31.9	95.5
134	24.7	13.2	39.5

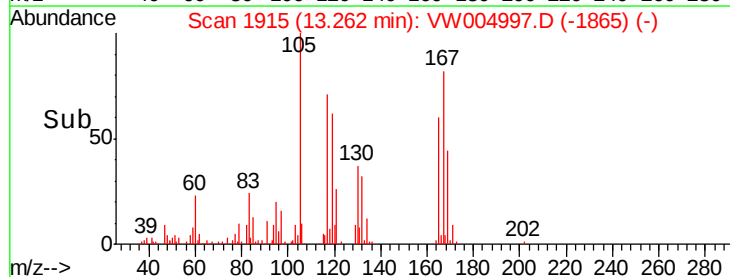
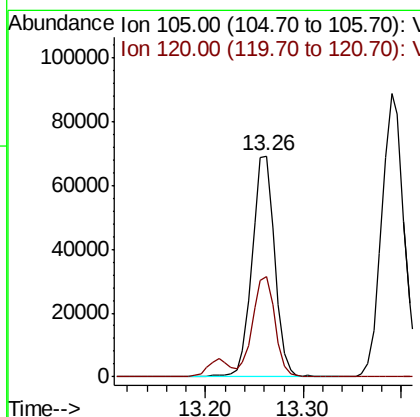
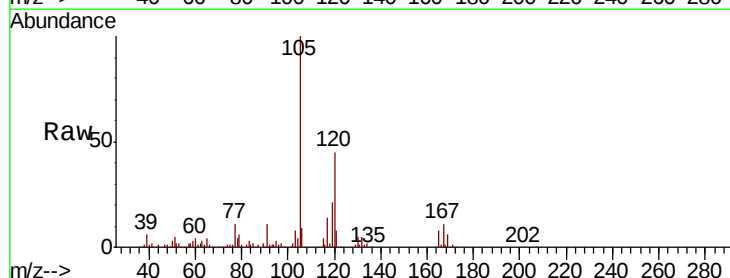
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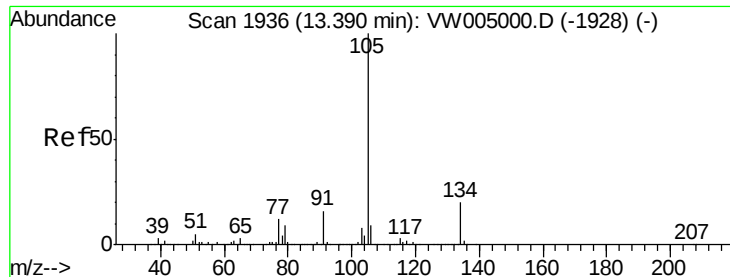
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 4.357 ug/l
RT: 13.26 min Scan# 1915
Delta R.T. 0.01 min
Lab File: VW004997.D
Acq: 29 Aug 2018 12:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.9	68.7





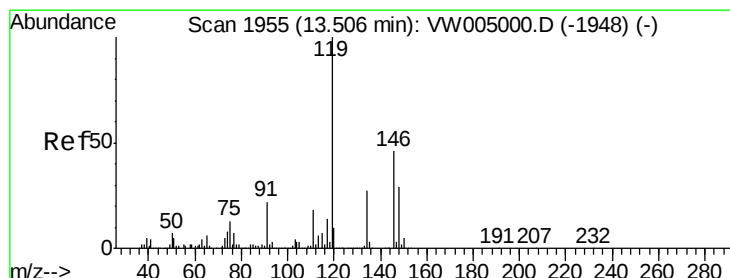
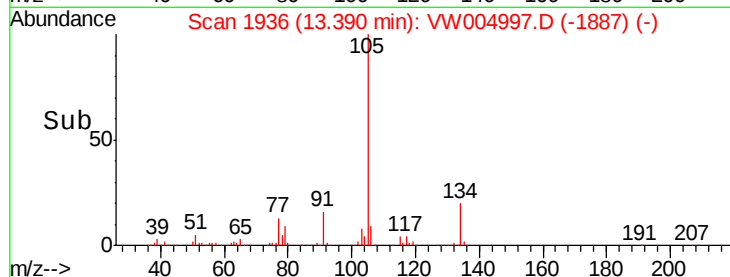
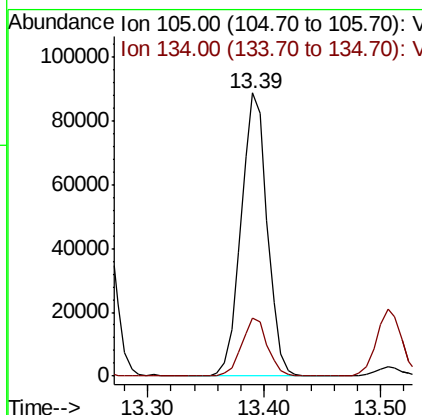
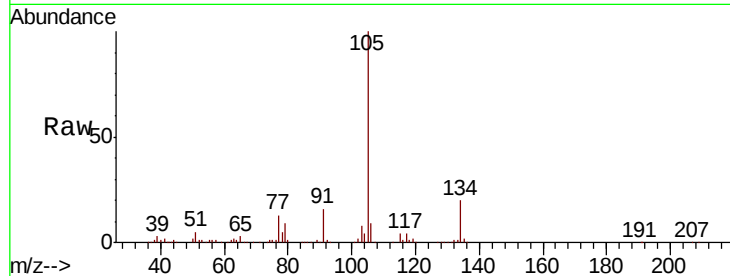
#85
 sec-Butylbenzene
 Concen: 4.496 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VW004997.D
 Acq: 29 Aug 2018 12:11

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.1	30.3

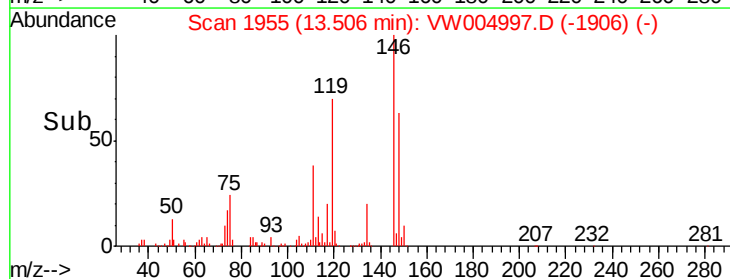
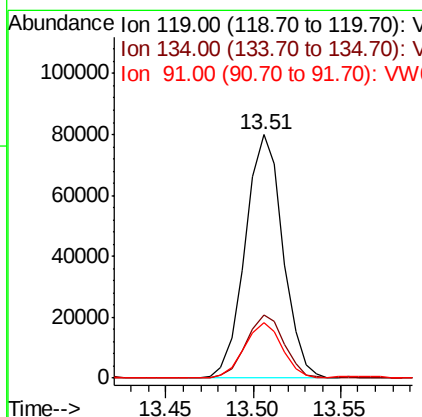
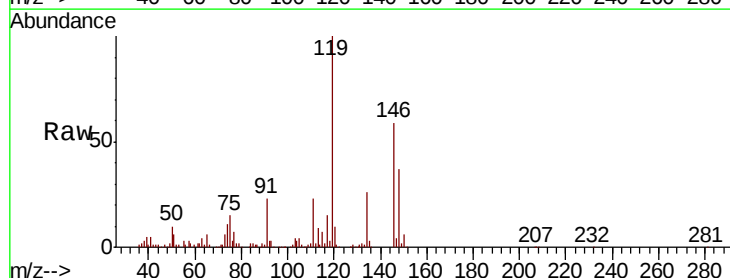
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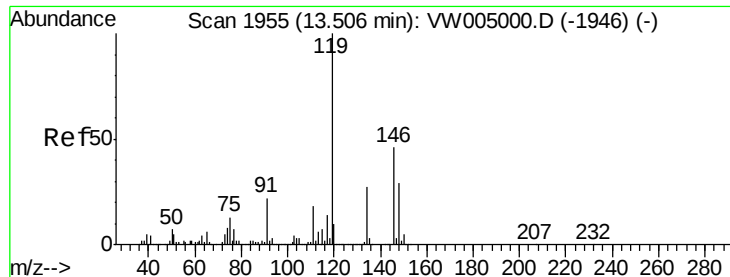
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#86
 p-Isopropyltoluene
 Concen: 4.312 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004997.D
 Acq: 29 Aug 2018 12:11

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.1	39.3
91	23.0	10.9	32.9





#87

1,3-Dichlorobenzene

Concen: 5.069 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW004997.D

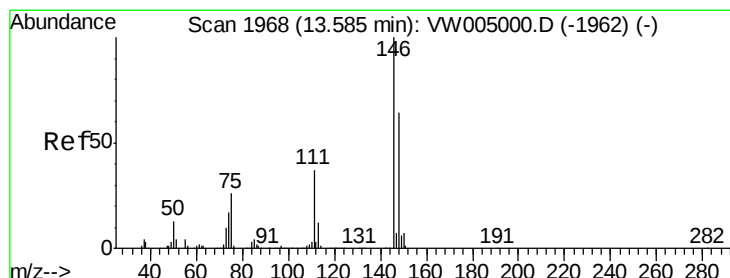
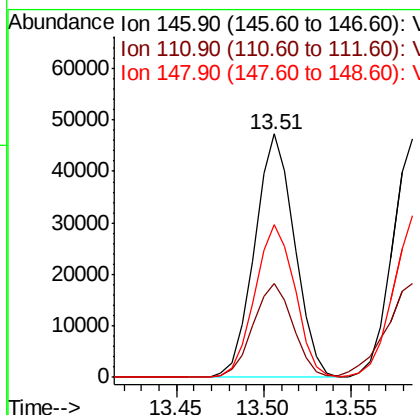
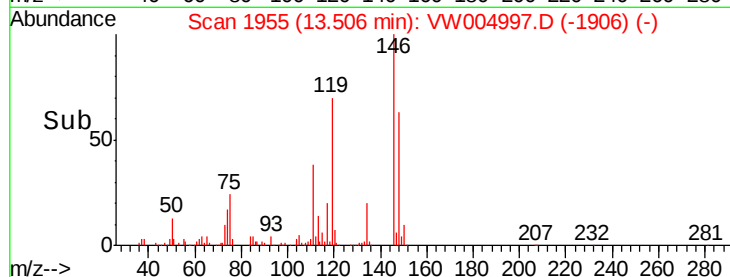
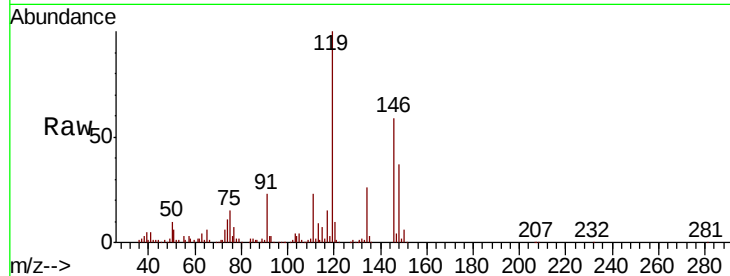
Acq: 29 Aug 2018 12:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.3	57.8
148	63.0	31.6	94.7

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#88

1,4-Dichlorobenzene

Concen: 5.149 ug/l

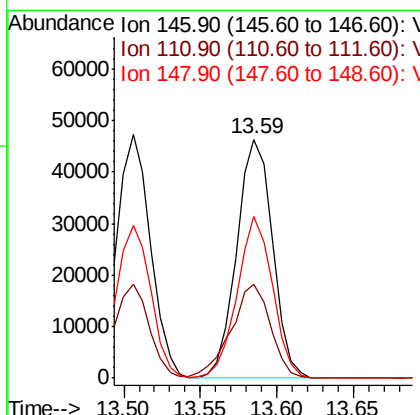
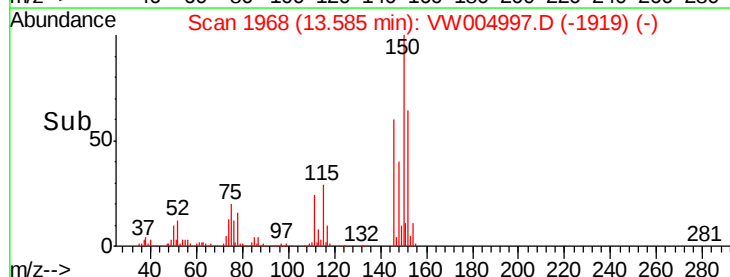
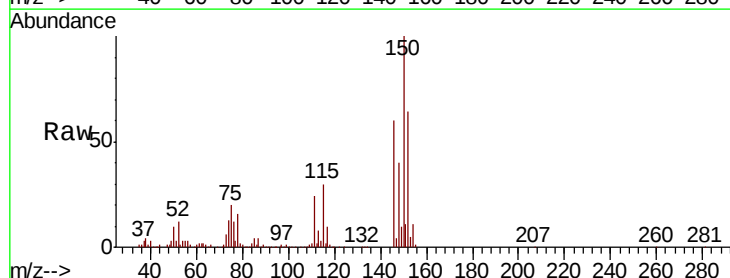
RT: 13.59 min Scan# 1968

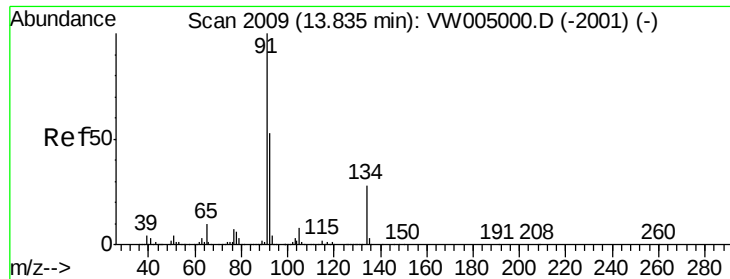
Delta R.T. 0.00 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	18.7	56.1
148	66.7	31.7	95.1





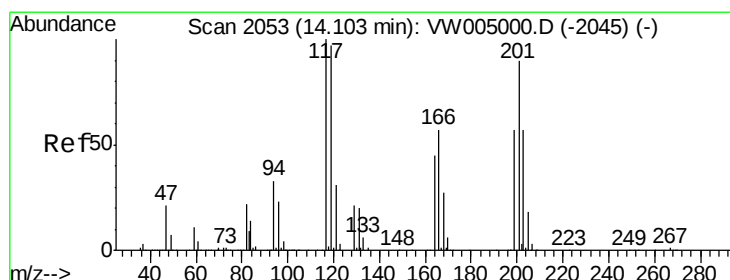
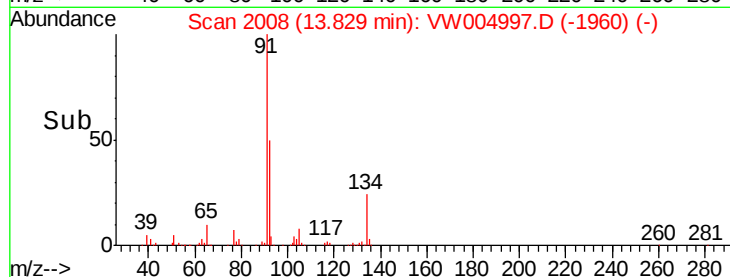
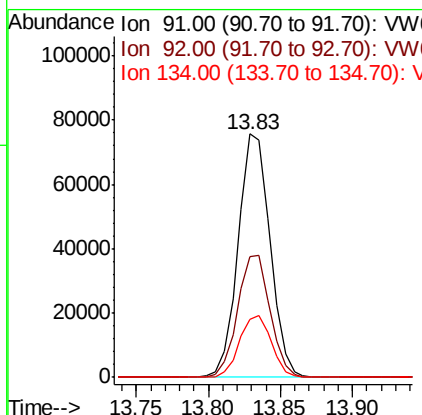
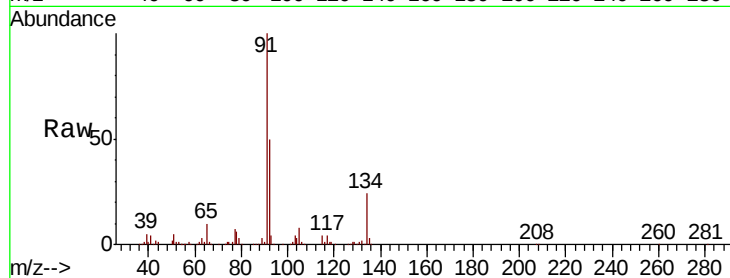
#89
n-Butylbenzene
Concen: 4.483 ug/l
RT: 13.83 min Scan# 2008
Delta R.T. -0.01 min
Lab File: VW004997.D
Acq: 29 Aug 2018 12:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	26.5	79.4
134	25.4	13.4	40.1

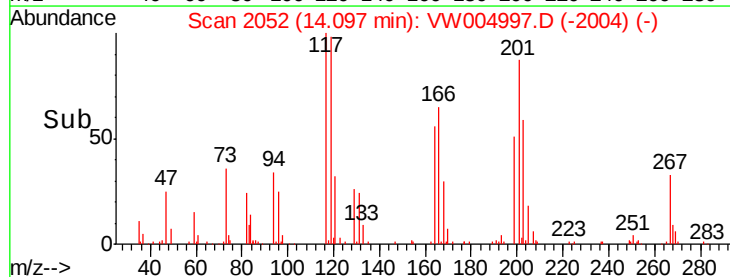
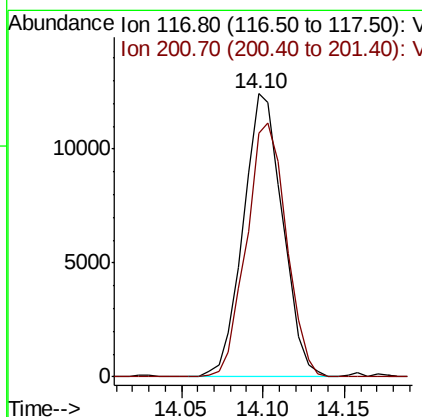
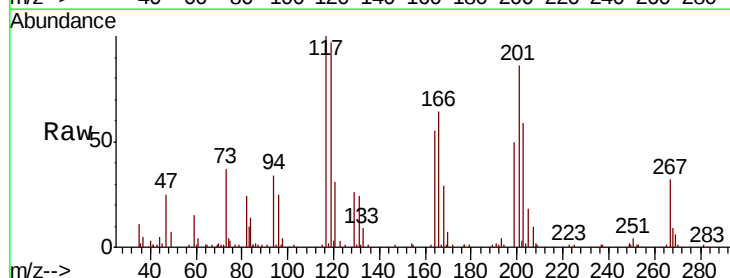
Manual Integrations
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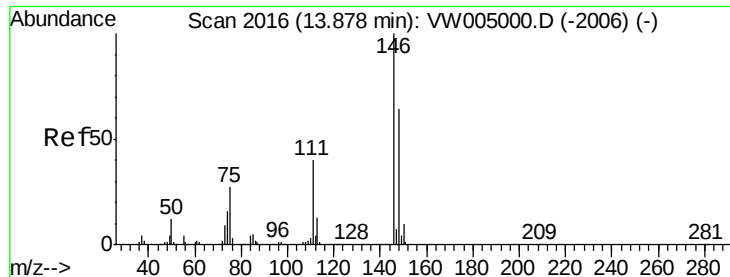
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#90
Hexachloroethane
Concen: 4.785 ug/l
RT: 14.10 min Scan# 2052
Delta R.T. -0.01 min
Lab File: VW004997.D
Acq: 29 Aug 2018 12:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.7	44.3	132.8





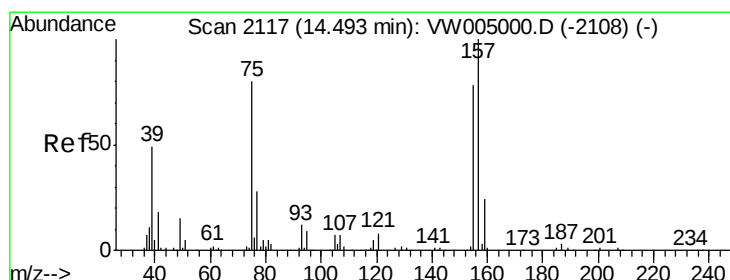
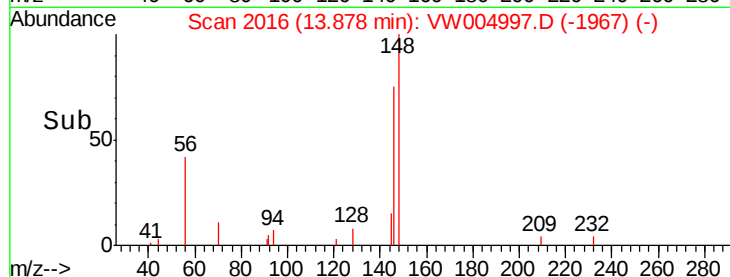
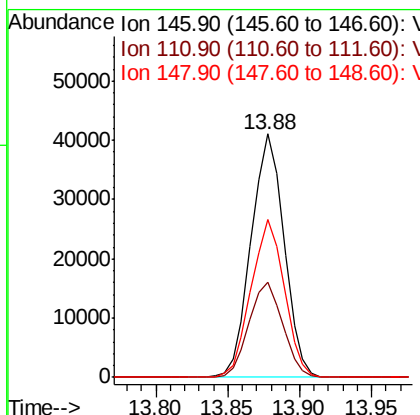
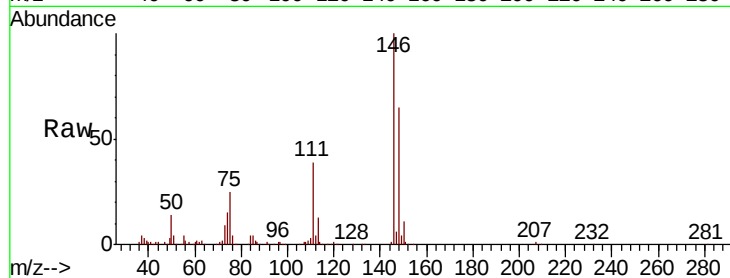
#91
 1,2-Dichlorobenzene
 Concen: 4.999 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW004997.D
 Acq: 29 Aug 2018 12:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.9	59.7
148	65.4	31.9	95.7

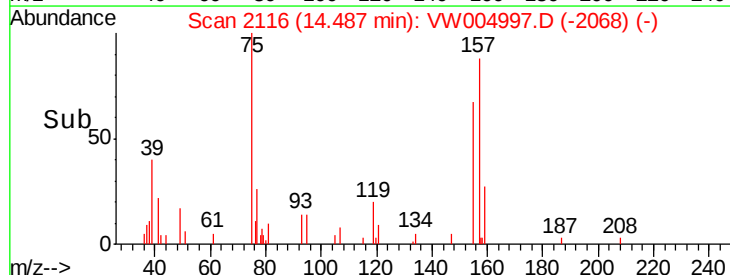
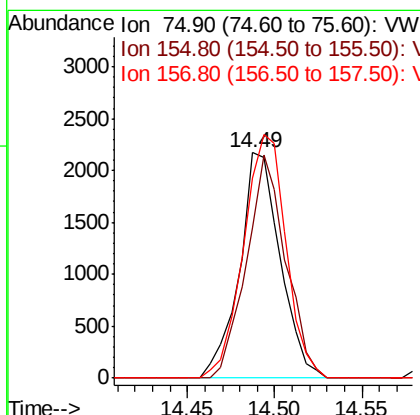
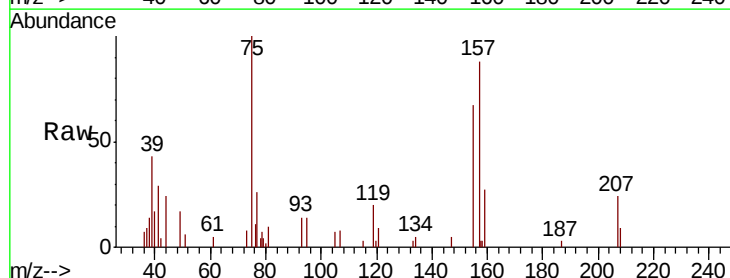
Manual Integrations
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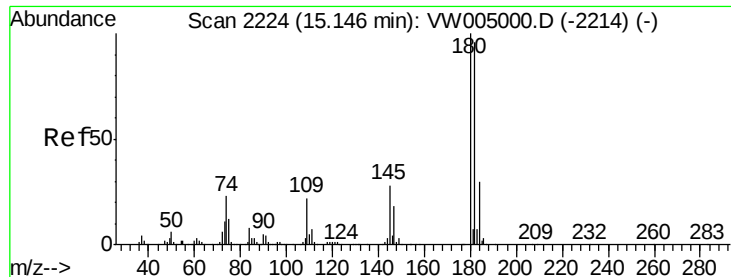
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.735 ug/l
 RT: 14.49 min Scan# 2116
 Delta R.T. -0.01 min
 Lab File: VW004997.D
 Acq: 29 Aug 2018 12:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.3	46.1	138.2
157	112.7	58.7	176.1





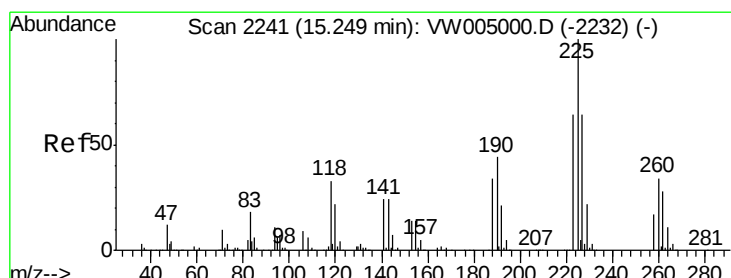
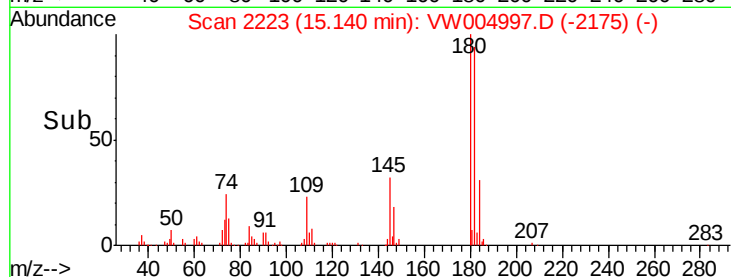
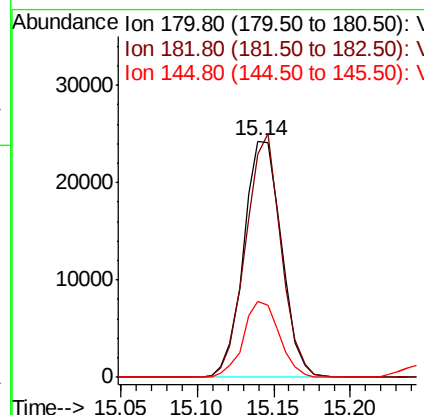
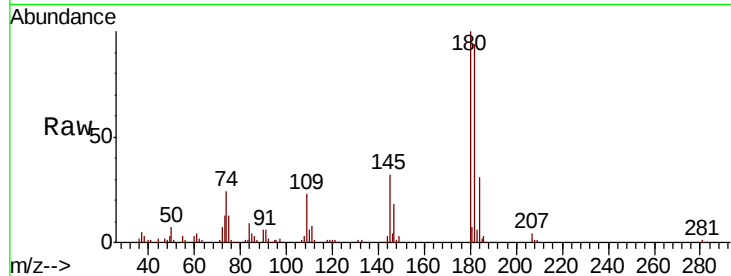
#93
 1,2,4-Trichlorobenzene
 Concen: 4.574 ug/l
 RT: 15.14 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: VW004997.D
 Acq: 29 Aug 2018 12:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.6	142.8
145	30.6	14.3	42.9

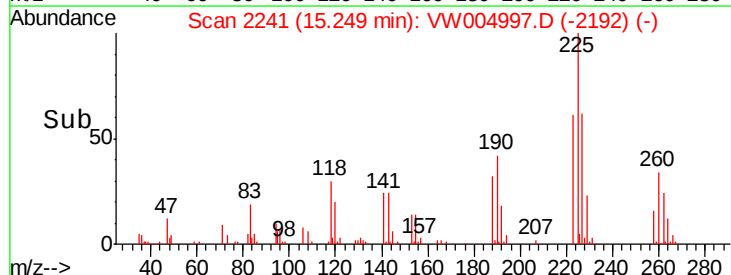
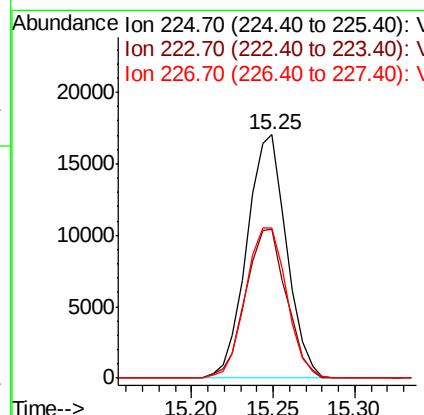
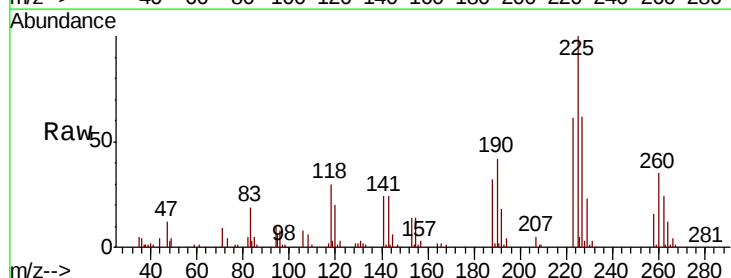
Manual Integrations
 APPROVED

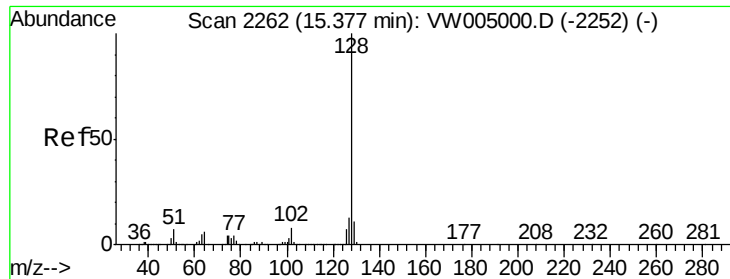
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#94
 Hexachlorobutadiene
 Concen: 5.059 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW004997.D
 Acq: 29 Aug 2018 12:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	32.0	96.0
227	63.9	31.9	95.7





#95

Naphthalene

Concen: 3.961 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

Instrument :

MSVOA_W

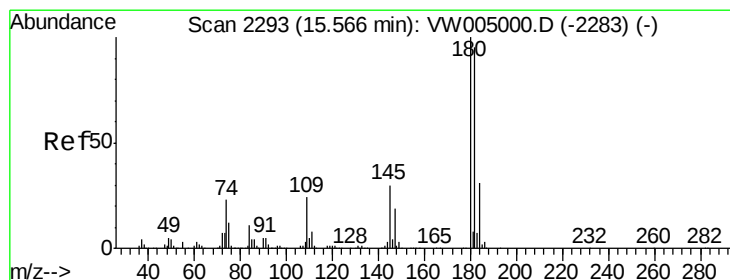
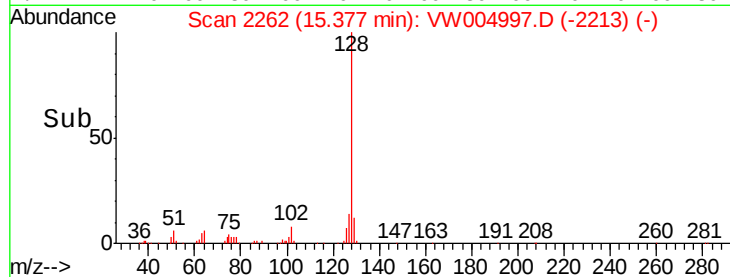
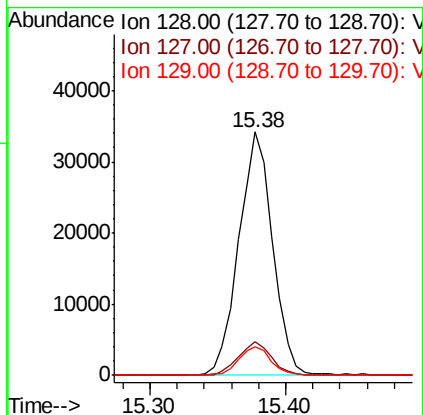
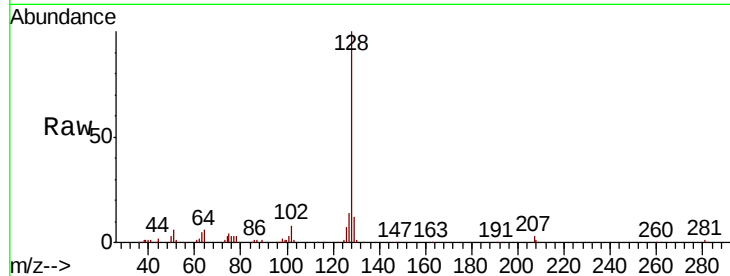
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	59221
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.5	15.7
129	11.2	8.7	13.1

Manual Integrations
APPROVED

apatel
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#96

1,2,3-Trichlorobenzene

Concen: 4.641 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004997.D

Acq: 29 Aug 2018 12:11

Tgt Ion:	180	Resp:	37370
Ion Ratio	Lower	Upper	
180	100		
182	97.6	47.6	142.8
145	31.6	15.1	45.3

